

# **Task 3 : Set Up and Configure S3 Buckets**

- 1. Create an S3 bucket**
- 2. Upload, retrieve, and manage objects within the bucket**
- 3. Set up bucket policies and access control lists (ACLs)**
- 4. Enable versioning and lifecycle policies.**

Create user | IAM | Global    Amazon Web Services Sign-In

eu-north-1.signin.aws.amazon.com/oauth?client\_id=arn%3Aaws%3Asignin%3A%3A%3Aconsole%2Fcanvas&code\_challenge=zD13uHJ-k728lu7lYBdm\_bjWyDmPmV...

**Sign in improvements coming soon**

In our effort to improve the customer experience, Amazon Web Services sign in is getting a new look. [Learn more](#)

**aws**

**Sign in as IAM user**

Account ID (12 digits) or account alias  
339712798117

IAM user name  
rushi

Password  
.....

Remember this account

**Sign in**

[Sign in using root user email](#)

[Forgot password?](#)

**Amazon Lightsail**

Lightsail is the easiest way to get started on AWS

[Learn more »](#)

Windows taskbar icons: Search, File Explorer, Spotify, Google Chrome, Microsoft Edge, and a Powerpoint icon.

System tray icons: Volume, Battery, Network, and a bell notification.

Bottom right corner: ENG IN, 17:27, 16-07-2024, and a small circular icon with the number 2.

Console Home | Console Home X +

ap-south-1.console.aws.amazon.com/console/home?region=ap-south-1

aws Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

## Console Home Info

**Recently visited** Info

- S3** (Selected)
- IAM
- EC2
- VPC
- RDS
- Amazon Prometheus
- Lambda

[View all services](#)

**Applications (0) Info**

Region: Asia Pacific (Mumbai)

ap-south-1 (Current Region) ▾

No applications  
Get started by creating an application.

[Create application](#)

[Go to myApplications](#)

**Welcome to AWS**

Getting started with AWS

**AWS Health** Info

Open issues

**Cost and usage** Info

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Set Up and Configure S3 Buckets

Homepage | S3 | ap-south-1

ap-south-1.console.aws.amazon.com/s3/get-started?region=ap-south-1

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

# Amazon S3

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

## 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**

## Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the [AWS Simple Monthly Calculator](#)

[View pricing details](#)

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Introduction to Amazon S3

Copy link

aws

Set Up and Configure S3 Buckets

Create S3 bucket | S3 | ap-south-1 X +

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

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Amazon S3 > Buckets > Create bucket

## Create bucket Info

Buckets are containers for data stored in S3.

### General configuration

AWS Region  
Asia Pacific (Mumbai) ap-south-1

Bucket name Info  
 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

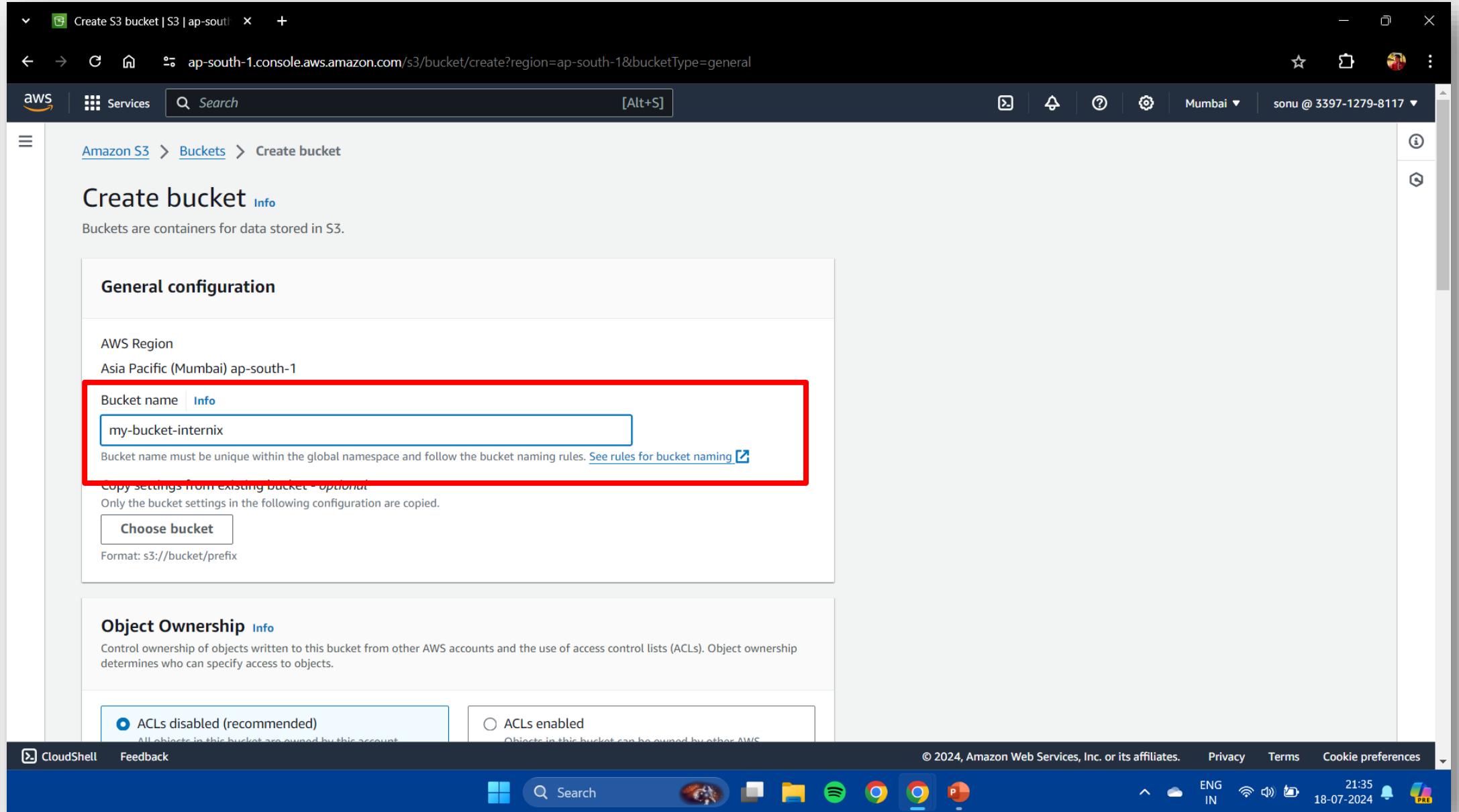
### Object Ownership Info

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

ACLs enabled  
Objects in this bucket can be owned by other AWS accounts

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Create S3 bucket | S3 | ap-south-1 | +

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

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**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**

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

Cancel **Create bucket**

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S3 buckets | S3 | ap-south-1 X +

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

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

Amazon S3 > Buckets

► Account snapshot - updated every 24 hours All AWS Regions

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

[View Storage Lens dashboard](#)

General purpose buckets Directory buckets

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

Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	IAM Access Analyzer	Creation date
<a href="#">my-bucket-internix</a>	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	July 18, 2024, 22:08:04 (UTC+05:30)

C Copy ARN Empty Delete Create bucket

< 1 > ⚙️

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Set Up and Configure S3 Buckets

my-bucket-internix - S3 bucket

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

Amazon S3 > Buckets > my-bucket-internix

## my-bucket-internix Info

Objects Properties Permissions Metrics Management Access Points

**Objects (0) Info**

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix < 1 > Settings

Name	Type	Last modified	Size	Storage class
No objects You don't have any objects in this bucket.				

**Upload**

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Search

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Upload objects - S3 bucket my- x +

ap-south-1.console.aws.amazon.com/s3/upload/my-bucket-internix?region=ap-south-1&bucketType=general

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Amazon S3 > Buckets > my-bucket-internix > 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 SDK 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 (0)**  
All files and folders in this table will be uploaded.

< 1 >

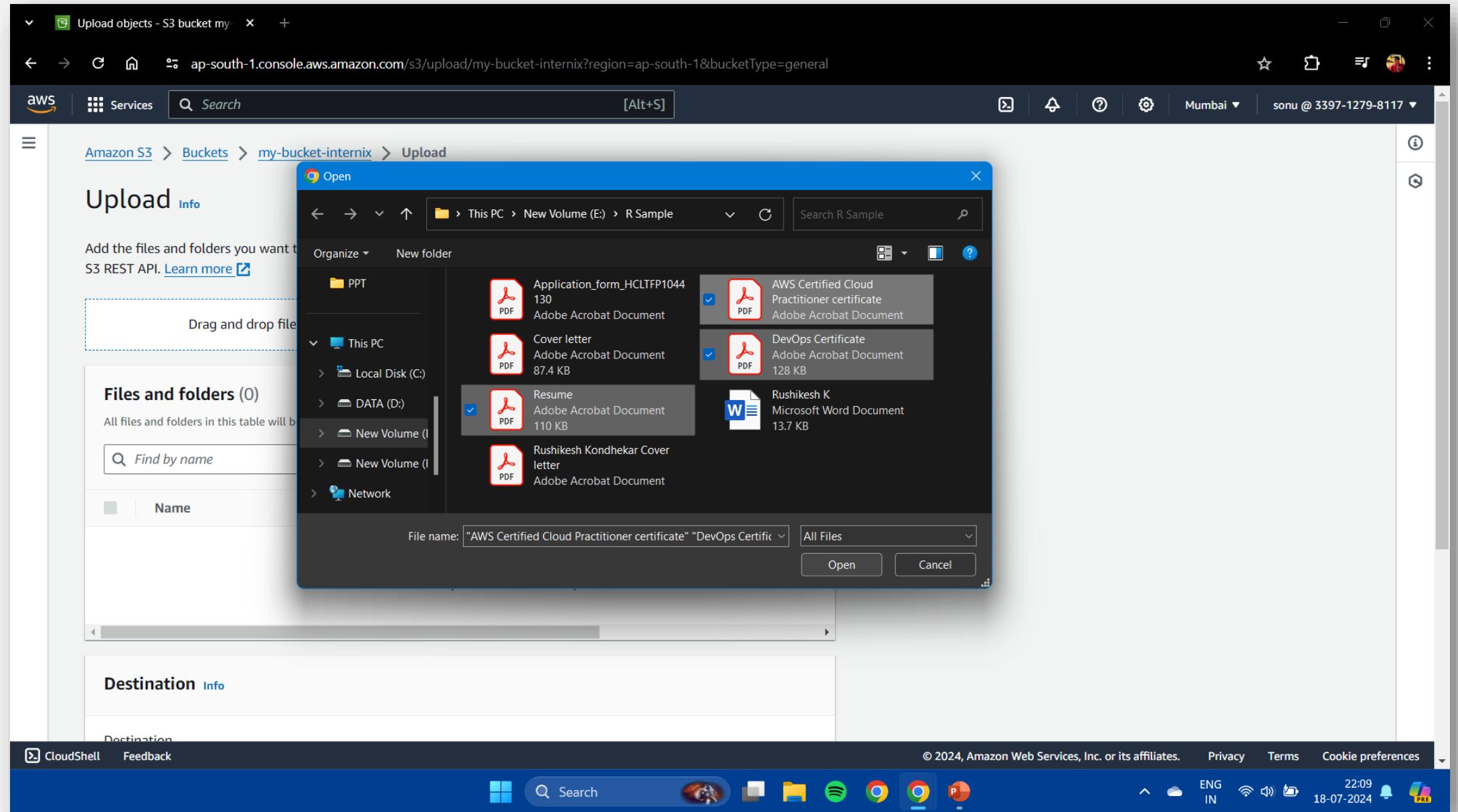
Name	Folder	Type
No files or folders		
You have not chosen any files or folders to upload.		

**Destination Info**

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The screenshot shows the AWS S3 'Upload' interface. At the top, there's a header bar with the AWS logo, search bar, and navigation links. Below it, the breadcrumb path shows 'Amazon S3 > Buckets > my-bucket-internix > Upload'. The main area is titled 'Upload' with a 'Info' link. A large text box invites users to drag and drop files or choose 'Add files' or 'Add folder'. Below this is a table titled 'Files and folders (0)' with a note that all items will be uploaded. Two buttons, 'Remove' and 'Add files' (which is highlighted with a red box), are at the top of the table. A search bar and pagination controls are also present. The table itself is empty, showing a message 'No files or folders' and 'You have not chosen any files or folders to upload.' At the bottom, there's a 'Destination' section and a footer with various links and system status indicators.



Upload objects - S3 bucket my- - X

← → C ⌛ ap-south-1.console.aws.amazon.com/s3/upload/my-bucket-internix?region=ap-south-1&bucketType=general

aws Services Search [Alt+S]

File and folders (3 Total, 270.4 KB)

All files and folders in this table will be uploaded.

Find by name

Name	Folder	Type
AWS Certified Cloud Practitioner certificat...	-	application,
DevOps Certificate.pdf	-	application,
Resume.pdf	-	application,

Destination [Info](#)

Destination  
[s3://my-bucket-internix](#)

▶ 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

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Upload objects - S3 bucket my- - X

← → C ⌘ ⌘ ap-south-1.console.aws.amazon.com/s3/upload/my-bucket-internix?region=ap-south-1&bucketType=general

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**Upload succeeded**  
View details below.

**Summary**

Destination	Succeeded	Failed
s3://my-bucket-internix	3 files, 270.4 KB (100.00%)	0 files, 0 B (0%)

**Files and folders** Configuration

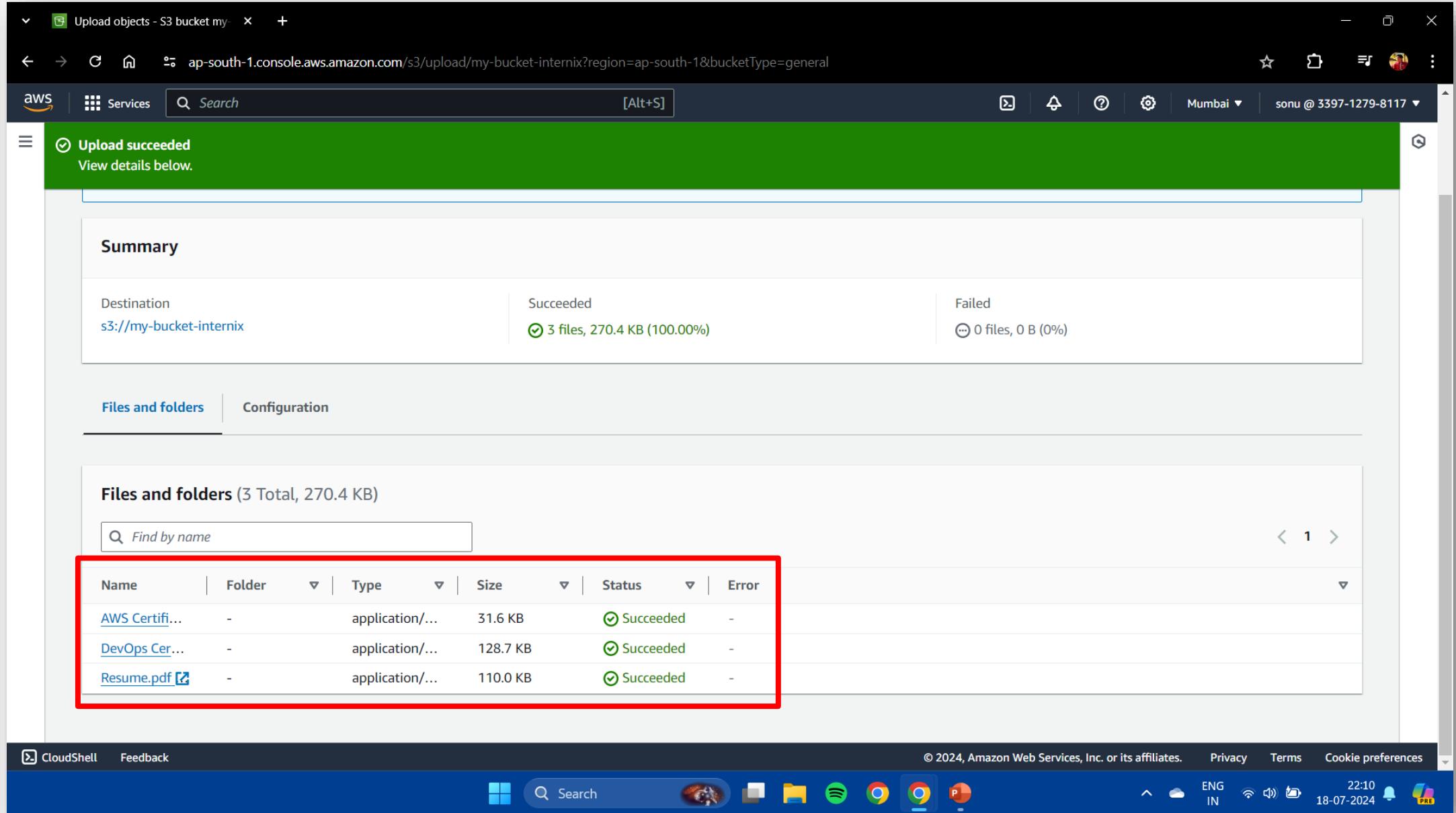
**Files and folders (3 Total, 270.4 KB)**

Find by name

Name	Folder	Type	Size	Status	Error
AWS Certifi...	-	application/...	31.6 KB	✓ Succeeded	-
DevOps Cer...	-	application/...	128.7 KB	✓ Succeeded	-
Resume.pdf	-	application/...	110.0 KB	✓ Succeeded	-

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my-bucket-internix - S3 bucket X +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > my-bucket-internix

## my-bucket-internix Info

Objects Properties Permissions Metrics Management Access Points

**Objects (3) Info**

G Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

Find objects by prefix < 1 > Settings

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">AWS Certified Cloud Practitioner certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	31.6 KB	Standard
<input type="checkbox"/>	<a href="#">DevOps Certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	128.7 KB	Standard
<input type="checkbox"/>	<a href="#">Resume.pdf</a>	pdf	July 18, 2024, 22:10:38 (UTC+05:30)	110.0 KB	Standard

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my-bucket-internix - S3 bucket X +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

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Amazon S3 > Buckets > my-bucket-internix

## my-bucket-internix Info

Objects Properties Permissions Metrics Management Access Points

**Objects (3) Info**

G Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input checked="" type="checkbox"/>	<a href="#">AWS Certified Cloud Practitioner certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	31.6 KB	Standard
<input checked="" type="checkbox"/>	<a href="#">DevOps Certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	128.7 KB	Standard
<input checked="" type="checkbox"/>	<a href="#">Resume.pdf</a>	pdf	July 18, 2024, 22:10:38 (UTC+05:30)	110.0 KB	Standard

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my-bucket-internix - S3 bucket X +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

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Amazon S3 > Buckets > my-bucket-internix

## my-bucket-internix Info

Objects Properties Permissions Metrics Management Access Points

**Objects (3) Info**

G Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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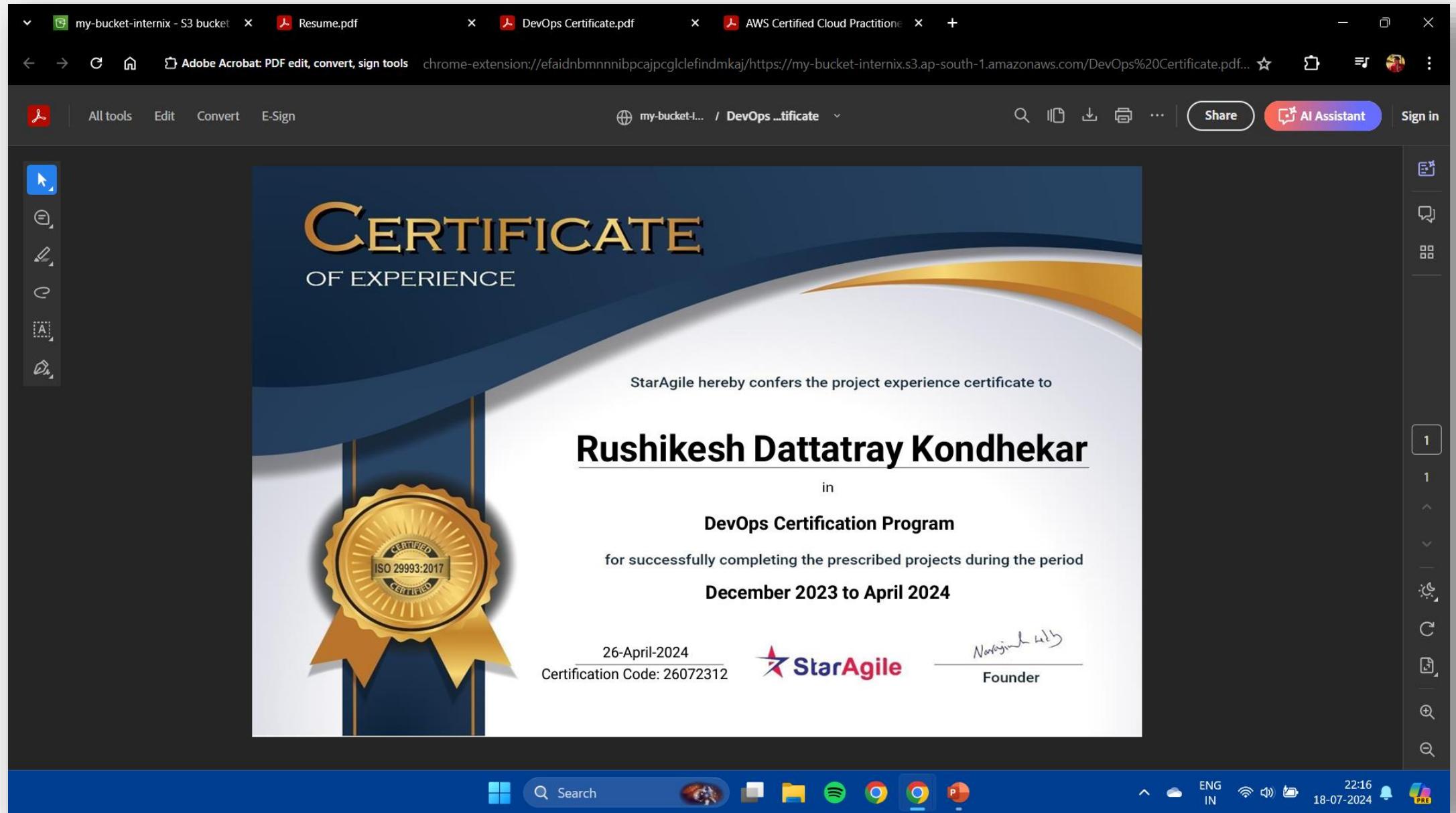
Find objects by prefix < 1 > Settings

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input checked="" type="checkbox"/>	<a href="#">AWS Certified Cloud Practitioner certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	31.6 KB	Standard
<input checked="" type="checkbox"/>	<a href="#">DevOps Certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	128.7 KB	Standard
<input checked="" type="checkbox"/>	<a href="#">Resume.pdf</a>	pdf	July 18, 2024, 22:10:38 (UTC+05:30)	110.0 KB	Standard

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my-bucket-internix - S3 bucket × Resume.pdf × DevOps Certificate.pdf × AWS Certified Cloud Practitioner × +

Adobe Acrobat: PDF edit, convert, sign tools chrome-extension://efaidnbmnnibpcajpcgjclefindmkaj/https://my-bucket-internix.s3.ap-south-1.amazonaws.com/AWS%20Certified%20Clo... ☆ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂

All tools Edit Convert E-Sign my-bucket-l... / AWS Cer..tificate Share AI Assistant Sign in

aws ✅ certified

# Rushikesh Kondhekar

AWS Certified Cloud Practitioner

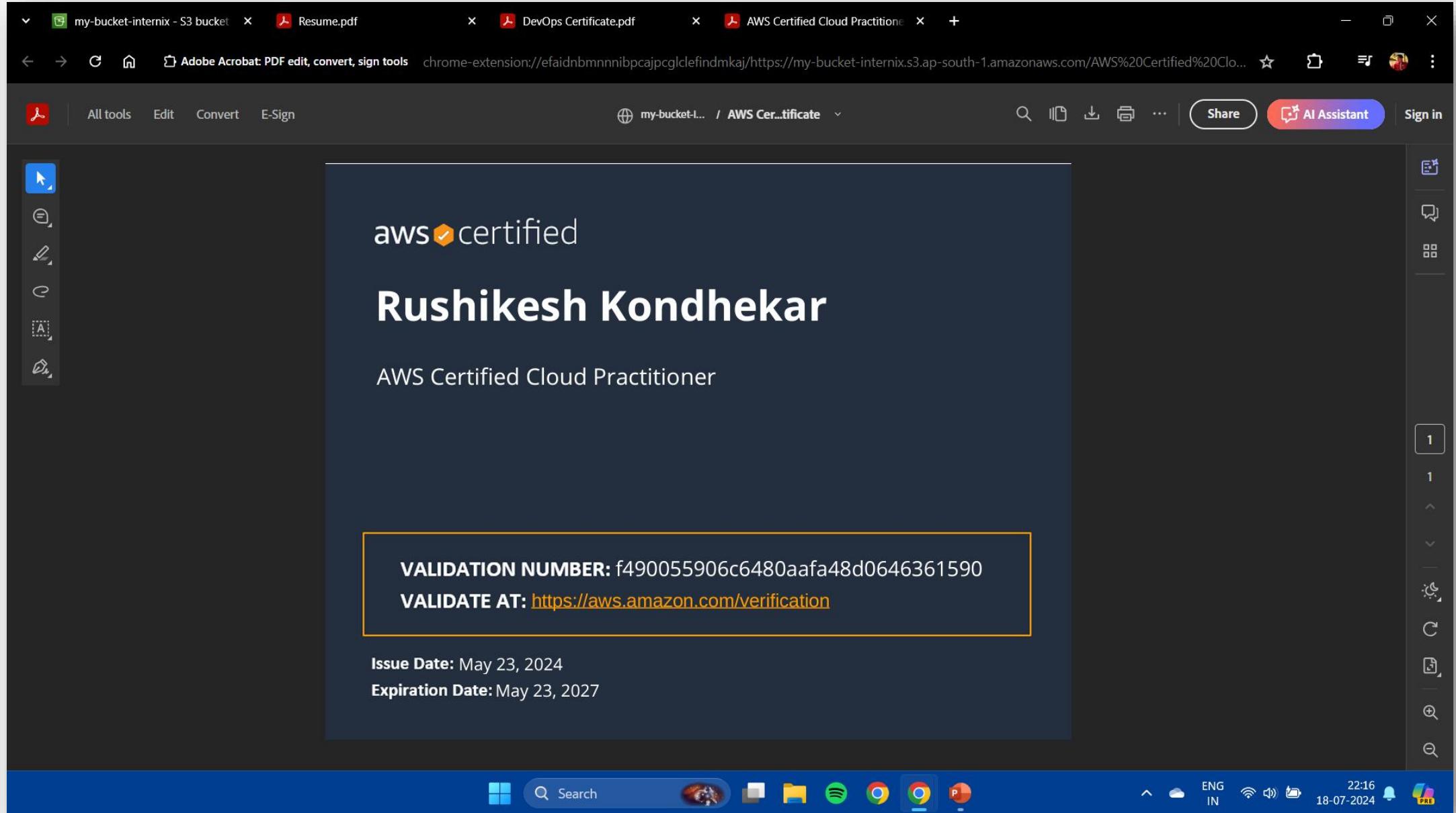
**VALIDATION NUMBER:** f490055906c6480aafa48d0646361590  
**VALIDATE AT:** <https://aws.amazon.com/verification>

**Issue Date:** May 23, 2024  
**Expiration Date:** May 23, 2027

1

1

^ — C ↻ 🔍



my-bucket-internix - S3 bucket × Resume.pdf × DevOps Certificate.pdf × AWS Certified Cloud Practitioner certificate.pdf × +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > my-bucket-internix

## my-bucket-internix Info

Objects Properties Permissions Metrics Management Access Points

**Objects (3) Info**

G Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix < 1 > Settings

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input checked="" type="checkbox"/>	AWS Certified Cloud Practitioner certificate.pdf	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	31.6 KB	Standard
<input checked="" type="checkbox"/>	DevOps Certificate.pdf	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	128.7 KB	Standard
<input checked="" type="checkbox"/>	Resume.pdf	pdf	July 18, 2024, 22:10:38 (UTC+05:30)	110.0 KB	Standard

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AWS Certified Cloud Practitioner X Resume.pdf X DevOps Certificate.pdf X AWS Certified Cloud Practitioner X +

← → C ⌂ ap-south-1.console.aws.amazon.com/s3/object/my-bucket-internix?region=ap-south-1&bucketType=general&prefix=AWS+Certified+Cloud+Practitioner+certificate.pdf

aws Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > my-bucket-internix > AWS Certified Cloud Practitioner certificate.pdf

## AWS Certified Cloud Practitioner certificate.pdf Info

Copy S3 URI Download Open Object actions

Properties Permissions Versions

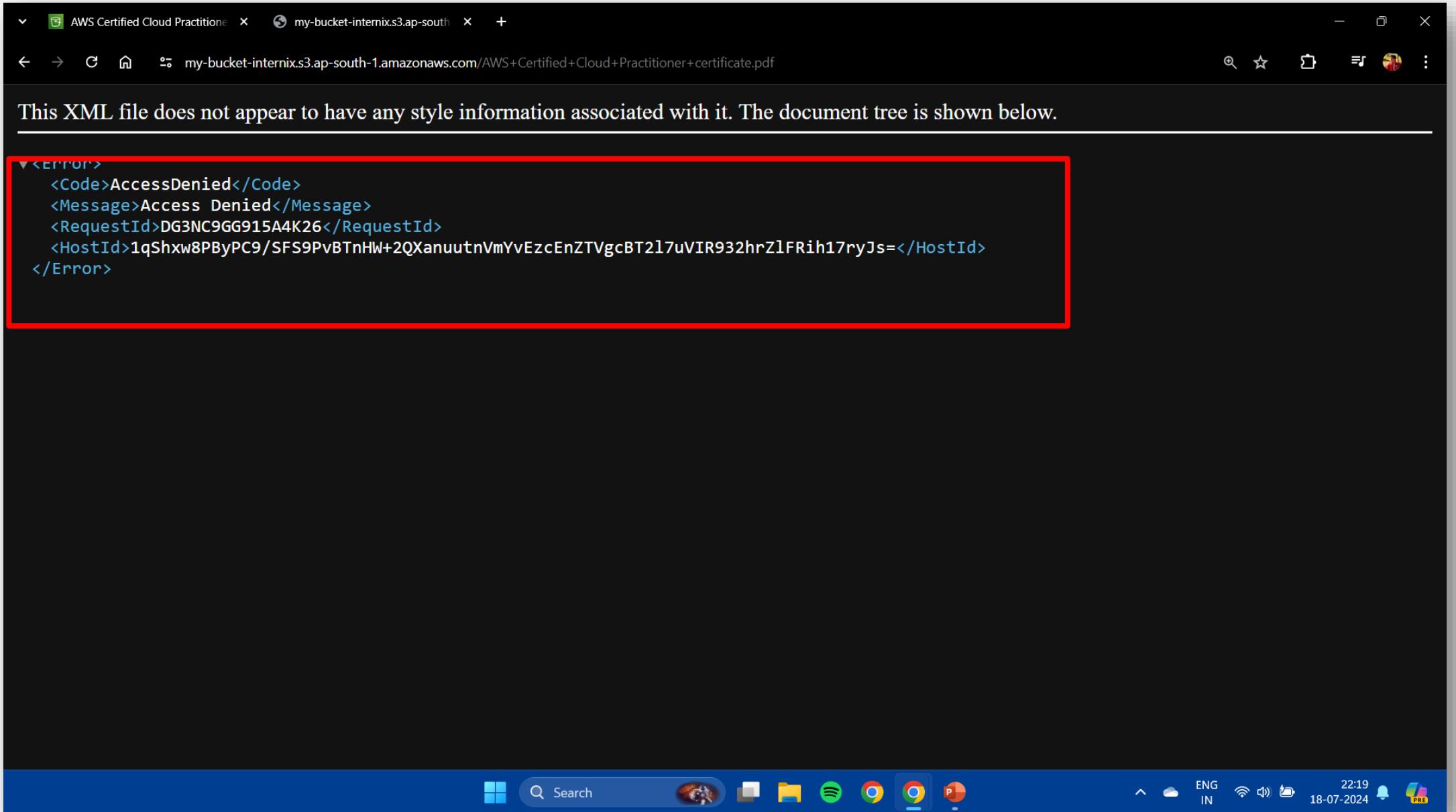
### Object overview

Owner	S3 URI
9a2fe8c73162ea5535029d717acd6d42deaa3dea0d249679e1f5b277fad96b0	<a href="https://s3://my-bucket-internix/AWS Certified Cloud Practitioner certificate.pdf">s3://my-bucket-internix/AWS Certified Cloud Practitioner certificate.pdf</a>
AWS Region	Amazon Resource Name (ARN)
Asia Pacific (Mumbai) ap-south-1	<a href="arn:aws:s3:::my-bucket-internix/AWS Certified Cloud Practitioner certificate.pdf">arn:aws:s3:::my-bucket-internix/AWS Certified Cloud Practitioner certificate.pdf</a>
Last modified	Entity tag (Etag)
July 18, 2024, 22:10:36 (UTC+05:30)	<small>f474/e592a1cfd49d8577d1a225062062</small>
Size	Object URL Copied
31.6 KB	<small>https://my-bucket-internix.s3.ap-south-1.amazonaws.com/AWS+Certified+Cloud+Practitioner+certificate.pdf</small>
Type	
pdf	
Key	
AWS Certified Cloud Practitioner certificate.pdf	

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Set Up and Configure S3 Buckets 20



my-bucket-internix - S3 bucket   my-bucket-internix.s3.ap-south   +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=objects

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Amazon S3 > Buckets > my-bucket-internix

## my-bucket-internix Info

Objects Properties Permissions Metrics Management Access Points

Permissions tab highlighted with a red box.

### Objects (3) Info

G Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">AWS Certified Cloud Practitioner certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	31.6 KB	Standard
<input type="checkbox"/>	<a href="#">DevOps Certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	128.7 KB	Standard
<input type="checkbox"/>	<a href="#">Resume.pdf</a>	pdf	July 18, 2024, 22:10:38 (UTC+05:30)	110.0 KB	Standard

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my-bucket-internix - S3 bucket   my-bucket-internix.s3.ap-south   +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=permissions

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View analyzer for ap-south-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**

On

► 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](#)

**Public access is blocked because Block Public Access settings are turned on for this bucket**

To determine which settings are turned on, check your Block Public Access settings for this bucket. Learn more about [using Amazon S3 Block Public Access](#)

No policy to display.

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my-bucket-internix - S3 bucket    my-bucket-internix.s3.ap-south    +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=permissions

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**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](#)

**Public access is blocked because Block Public Access settings are turned on for this bucket**

To determine which settings are turned on, check your Block Public Access settings for this bucket. Learn more about [using Amazon S3 Block Public Access](#)

No policy to display.

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my-bucket-internix - S3 bucket    my-bucket-internix.s3.ap-south    +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=permissions

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**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](#)

**Public access is blocked because Block Public Access settings are turned on for this bucket**

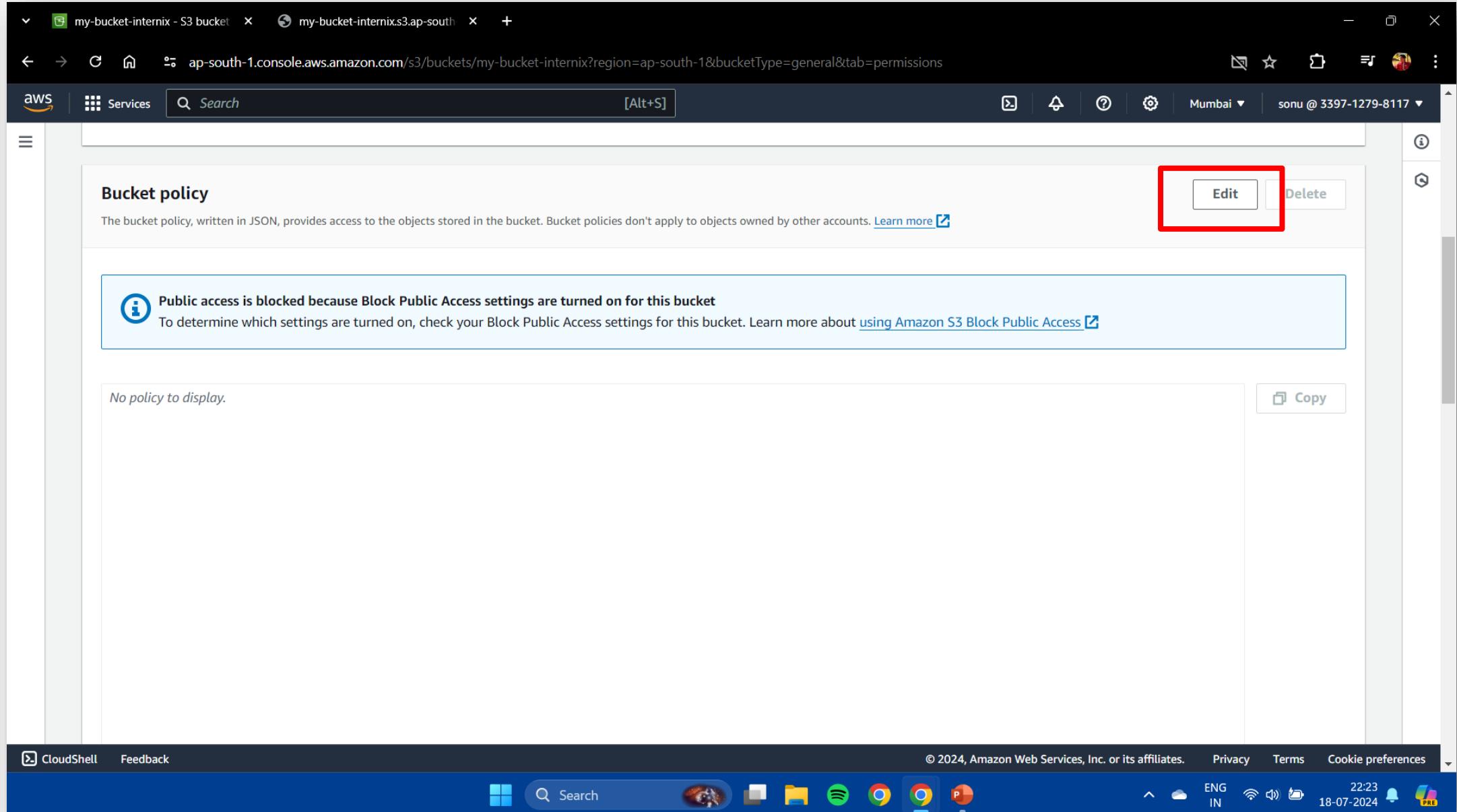
To determine which settings are turned on, check your Block Public Access settings for this bucket. Learn more about [using Amazon S3 Block Public Access](#)

No policy to display.

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**Edit** **Delete** **Copy**



Edit bucket policy - S3 bucket n × my-bucket-internix.s3.ap-south × +

← → C H ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general

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Amazon S3 > Buckets > my-bucket-internix > Edit bucket policy

## Edit bucket policy Info

**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](#)

**Bucket ARN**

arn:aws:s3:::my-bucket-internix

**Policy**

1 |

**Edit statement**

Select a statement

Select an existing statement in the policy or add a new statement.

+ Add new statement

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AWS logo Search icon File folder icon Spotify icon Google Chrome icon Microsoft Edge icon

Set Up and Configure S3 Buckets

26

Edit bucket policy - S3 bucket n × AWS Policy Generator × my-bucket-internix.s3.ap-south × +

← → C ⌂ ⌂ awspolicygen.s3.amazonaws.com/policygen.html

amazon  
webservices

## AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to [Amazon Web Services \(AWS\)](#) products and resources. For more information about creating policies, see [key concepts in Using AWS Identity and Access Management](#). Here are [sample policies](#).

### 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

### 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

All Services ('\*')

Use multiple statements to add permissions for more than one service.

Actions   All Actions ('\*')

Amazon Resource Name (ARN)

ARN should follow the following format: arn:aws:sqs:\${Region}:\${Account}:\${QueueName}.  
Use a comma to separate multiple values.

^ ENG IN 22:25 18-07-2024 PMS

Edit bucket policy - S3 bucket n × AWS Policy Generator × my-bucket-internix.s3.ap-south × +

awspolicygen.s3.amazonaws.com/policygen.html

For more information about creating policies, see [key concepts in Using AWS Identity and Access Management](#). Here are sample policies.

### 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

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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

All Services ( )

Use multiple statements to add permissions for more than one service.

Actions   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

### Step 3: Generate Policy

A *policy* is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

Windows Search Task View Start Taskbar ENG IN 22:27 18-07-2024

Edit bucket policy - S3 bucket n × AWS Policy Generator × my-bucket-internix.s3.ap-south × +

awspolicygen.s3.amazonaws.com/policygen.html

For more information about creating policies, see [key concepts in Using AWS Identity and Access Management](#). Here are sample policies.

### 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

### 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   All Services (\*) Use multiple statements to add permissions for more than one service.

Actions   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)

Step 3: Generate Policy

A *policy* is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

Edit bucket policy - S3 bucket n × AWS Policy Generator × my-bucket-internix.s3.ap-south × +

← → C ⌂ ⌂ awspolicygen.s3.amazonaws.com/policygen.html

Amazon S3

All Services ('\*')

Use multiple statements to add permissions for more than one service.

Actions -- Select Actions --  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

You added the following statements. Click the button below to Generate a policy.

Principal(s)	Effect	Action	Resource	Conditions
• *	Allow	• s3:GetObject	arn:aws:s3:::my-bucket-internix	None

**Step 3: Generate Policy**

A *policy* is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

**Generate Policy** **Start Over**

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Set Up and Configure S3 Buckets

Edit bucket policy - S3 bucket n × AWS Policy Generator × my-bucket-internix.s3.ap-south × +

← → C ⌂ ⌂ awspolicygen.s3.amazonaws.com/policygen.html

Amazon S3

All Services ('\*')

Use multiple statements to add permissions for more than one service.

Actions -- Select Actions -- All Actions ('\*')

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": "Policy1721321931317",  
  "Version": "2012-10-17",  
  "Statement": [  
    {  
      "Sid": "Stmt1721321908053",  
      "Action": [  
        "s3:GetObject"  
      ],  
      "Effect": "Allow",  
      "Resource": "arn:aws:s3:::my-bucket-internix",  
      "Principal": "*"  
    }  
  ]  
}
```

You added the following policy:

Principal(\*): \*  
Action(s): s3:GetObject  
Effect: Allow  
Resource: arn:aws:s3:::my-bucket-internix  
Principal: \*

Step 3: Review your policy

A policy is a set of rules that define who can access your data and what they can do with it.

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**Close**

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An company

Windows Search File Explorer Spotify Google Chrome Microsoft Edge Power BI

ENG IN 22:29 18-07-2024

Edit bucket policy - S3 bucket n X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C H ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 X

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

▼ Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

▶ AWS Marketplace for S3

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Set Up and Configure S3 Buckets

Amazon S3 > Buckets > my-bucket-internix > Edit bucket policy

## Edit bucket policy Info

### 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](#)

Policy examples Policy generator

Bucket ARN

Policy

1 | Edit statement

Select a statement  
Select an existing statement in the policy or add a new statement.

+ Add new statement

Edit bucket policy - S3 bucket n X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C H ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general

aws Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

## Amazon S3

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

## Edit bucket policy Info

### 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](#)

Bucket ARN

### Policy

```
1 {  
2   "Id": "Policy1721321931317",  
3   "Version": "2012-10-17",  
4   "Statement": [  
5     {  
6       "Sid": "Stmt1721321908053",  
7       "Action": [  
8         "s3:GetObject"  
9       ],  
10      "Effect": "Allow",  
11      "Resource": "arn:aws:s3:::my-bucket-internix",  
12      "Principal": "*"  
13    }  
14  ]  
15 }
```

**Edit statement**

Select a statement  
Select an existing statement in the policy or add a new statement.

+ Add new statement

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Edit bucket policy - S3 bucket n × AWS Policy Generator × my-bucket-internix.s3.ap-south × + ← → C ⌂ ⌂ ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S]

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Select a statement

Amazon S3

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

8 "s3:GetObject"  
9 ],  
10 "Effect": "Allow",  
11 "Resource": "arn:aws:s3:::my-bucket-internix",  
12 "Principal": "\*"  
13 }  
14 ]  
15 }

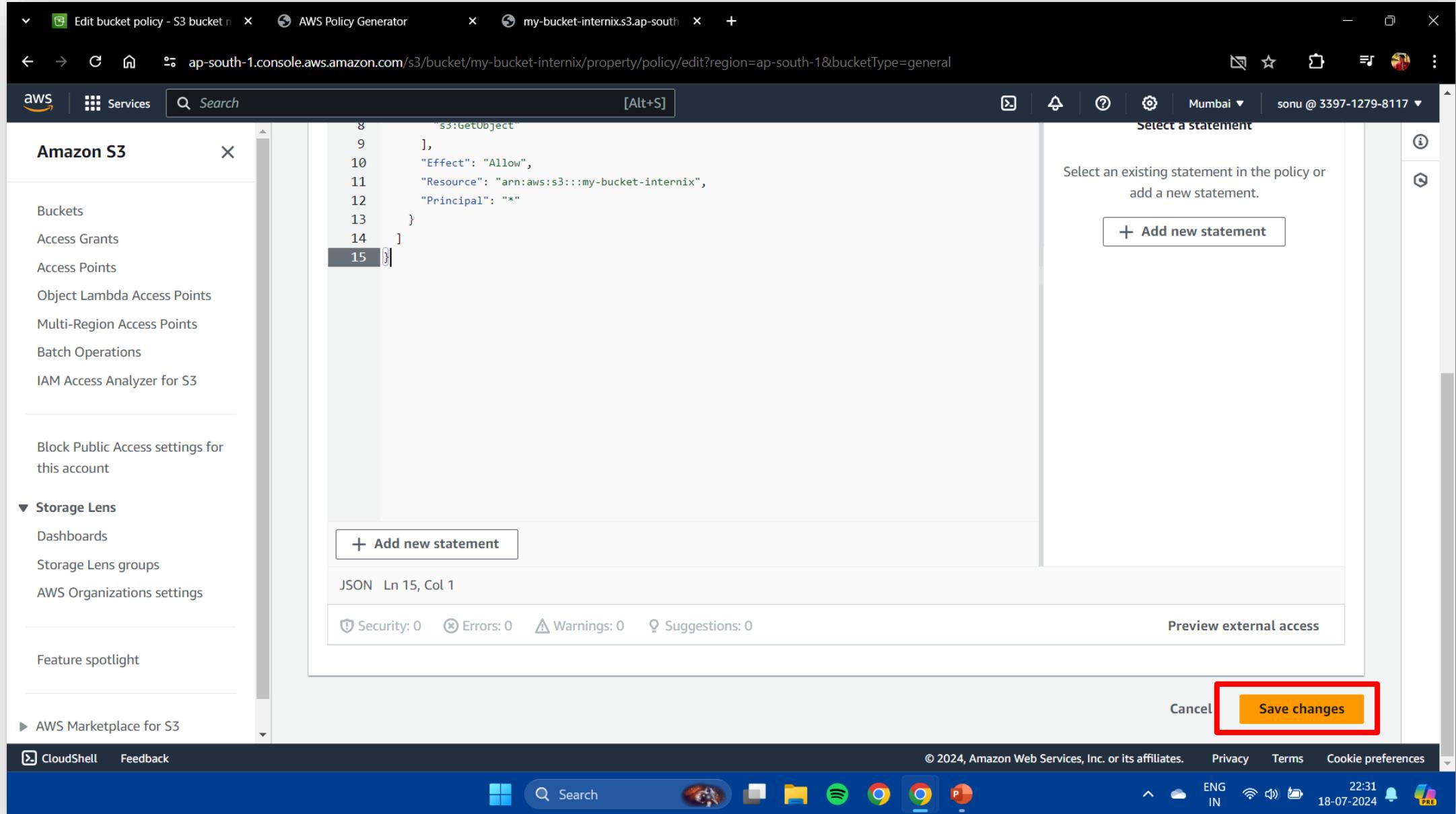
+ Add new statement

JSON Ln 15, Col 1

Security: 0 Errors: 0 Warnings: 0 Suggestions: 0 Preview external access

Cancel Save changes

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Edit bucket policy - S3 bucket n × AWS Policy Generator × my-bucket-internix.s3.ap-south × +

← → C H ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

+ Add new statement

JSON Ln 15, Col 1

Security: 0 Errors: 0 Warnings: 0 Suggestions: 0 Preview external access

**Unknown Error**  
An unexpected error occurred.

▼ API response  
Action does not apply to any resource(s) in statement

Cancel Save changes

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The screenshot shows the AWS S3 Bucket Policy Editor. On the left, there's a sidebar with navigation links like Buckets, Access Grants, and Storage Lens. The main area has a large red box highlighting an error message: 'Unknown Error' followed by 'An unexpected error occurred.' Below that, another red box highlights the 'API response' section which says 'Action does not apply to any resource(s) in statement'. At the bottom right, there are 'Cancel' and 'Save changes' buttons. The status bar at the bottom includes CloudShell, Feedback, copyright information, privacy terms, cookie preferences, language (ENG IN), and system status (22:31, 18-07-2024).

Edit bucket policy - S3 bucket n X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C H ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 X

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

+ Add new statement

Policy

```
1 {  
2   "Id": "Policy1721321931317",  
3   "Version": "2012-10-17",  
4   "Statement": [  
5     {  
6       "Sid": "Stmt1721321908053",  
7       "Action": [  
8         "s3:GetObject"  
9       ],  
10      "Effect": "Allow",  
11      "Resource": "arn:aws:s3:::my-bucket-internix/*",  
12      "Principal": "*"  
13    }  
14  ]  
15 }
```

Edit statement Stmt1721321908053 Remove

Add actions Choose a service Filter services

Included S3

Available AMP API Gateway API Gateway V2 ASC Access Analyzer Account

Add a resource Add

Add a condition (optional) Add

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Screenshot of the AWS S3 Bucket Policy Editor showing an error message.

The browser title bar shows three tabs: "Edit bucket policy - S3 bucket n", "AWS Policy Generator", and "my-bucket-internix.s3.ap-south". The URL is "ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general".

The left sidebar of the AWS S3 console lists various options: Buckets, Access Grants, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Block Public Access settings for this account, Storage Lens (Dashboards, Storage Lens groups, AWS Organizations settings), Feature spotlight, and AWS Marketplace for S3.

The main content area displays a JSON editor with a button "+ Add new statement". Below it, status indicators show Security: 0, Errors: 0, Warnings: 0, and Suggestions: 0. A "Preview external access" link is also present.

A prominent error message box is displayed, containing:

- Unknown Error** (indicated by a red circle with a white X)
- An unexpected error occurred.
- ▼ API response**
- Action does not apply to any resource(s) in statement

At the bottom right, there are "Cancel" and "Save changes" buttons. The "Save changes" button is highlighted with a red rectangle.

The footer includes links for CloudShell, Feedback, Privacy, Terms, and Cookie preferences. It also shows the copyright notice "© 2024, Amazon Web Services, Inc. or its affiliates." and system status icons for battery, signal, and volume.

Edit bucket policy - S3 bucket n AWS Policy Generator my-bucket-internix.s3.ap-south ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general Mumbai sonu @ 3397-1279-8117

**Amazon S3**

Buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

**Storage Lens**

Dashboards

Storage Lens groups

AWS Organizations settings

Feature spotlight

+ Add new statement

JSON Ln 15, Col 1

Security: 0 Errors: 0 Warnings: 0 Suggestions: 0 Preview external access

**Your bucket policy changes can't be saved**

You either don't have permissions to edit the bucket policy, or your bucket policy grants a level of public access that conflicts with your Block Public Access settings. To edit a bucket policy, you need the s3:PutBucketPolicy permission. To review which Block Public Access settings are turned on, view your [account](#) and [bucket](#) settings. Learn more about [Identity and access management in Amazon S3](#).

▶ API response

Cancel Save changes

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ENG IN 22:33 18-07-2024 PRE

Edit bucket policy - S3 bucket n X my-bucket-internix - S3 bucket X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C H ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=objects

aws Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

## Amazon S3

Buckets  
Access Grants  
Access Points  
Object Lambda Access Points  
Multi-Region Access Points  
Batch Operations  
IAM Access Analyzer for S3

Block Public Access settings for this account

▼ Storage Lens  
Dashboards  
Storage Lens groups  
AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Amazon S3 > Buckets > my-bucket-internix

### my-bucket-internix Info

Objects Properties Permissions Metrics Management Access Points

Objects (3) Info

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">AWS Certified Cloud Practitioner certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	31.6 KB	Standard
<input type="checkbox"/>	<a href="#">DevOps Certificate.pdf</a>	pdf	July 18, 2024, 22:10:36 (UTC+05:30)	128.7 KB	Standard
<input type="checkbox"/>	<a href="#">Resume.pdf</a>	pdf	July 18, 2024, 22:10:38 (UTC+05:30)	110.0 KB	Standard

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ENG IN 22:35 18-07-2024

Edit bucket policy - S3 bucket n X my-bucket-internix - S3 bucket X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=permissions

Services Search [Alt+S]

Amazon S3

Buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

Storage Lens groups

AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

View analyzer for ap-south-1

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

**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**

On

► 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](#)

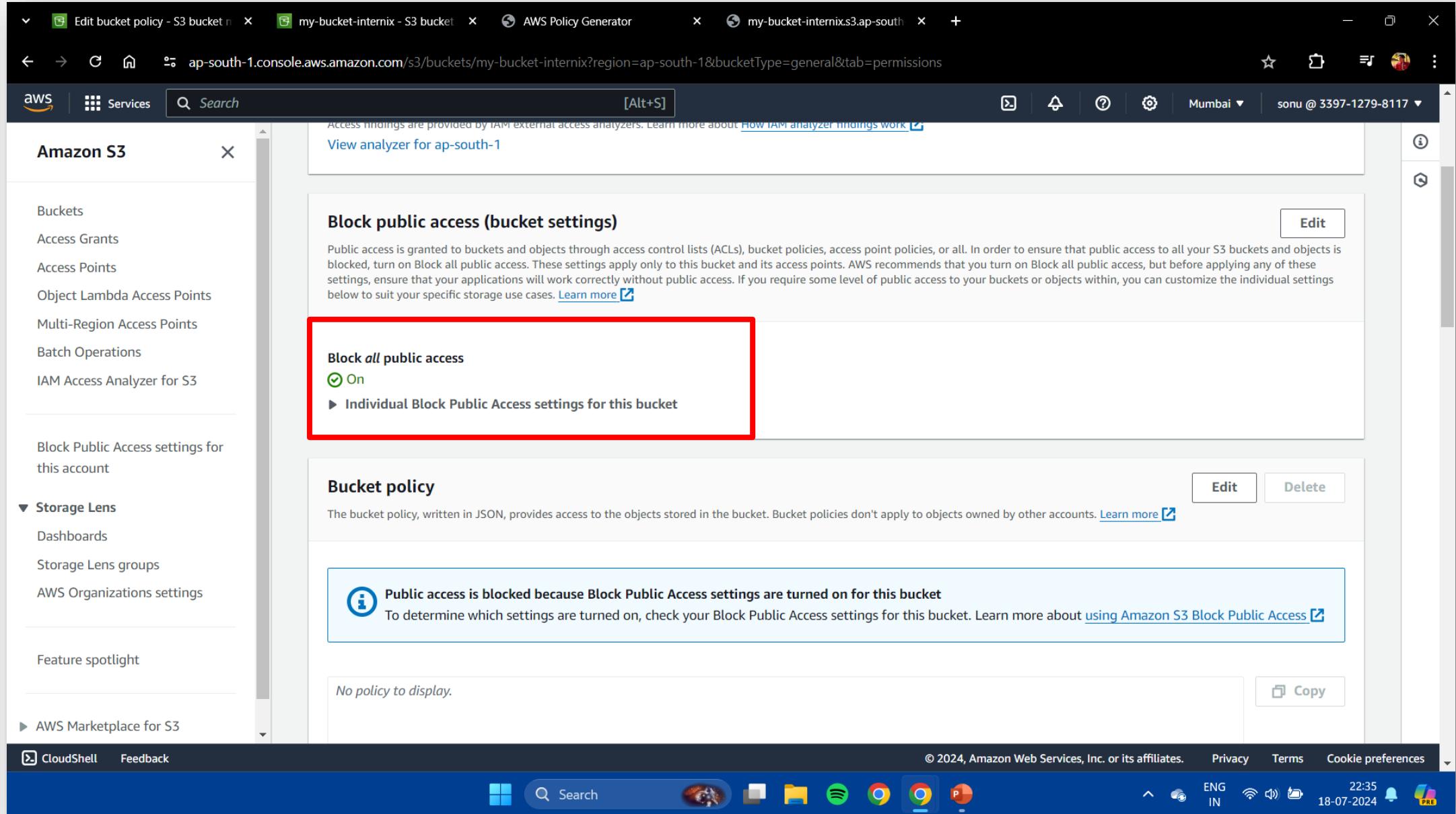
**Public access is blocked because Block Public Access settings are turned on for this bucket**

To determine which settings are turned on, check your Block Public Access settings for this bucket. Learn more about [using Amazon S3 Block Public Access](#)

No policy to display.

Copy

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Edit bucket policy - S3 bucket n X my-bucket-internix - S3 bucket X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=permissions

Services Search [Alt+S]

Amazon S3

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

View analyzer for ap-south-1

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

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**Block all public access**

On

► Individual Block Public Access settings for this bucket

**Edit**

**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](#)

**Public access is blocked because Block Public Access settings are turned on for this bucket**

To determine which settings are turned on, check your Block Public Access settings for this bucket. Learn more about [using Amazon S3 Block Public Access](#)

No policy to display.

**Edit** **Delete**

**Copy**

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ENG IN 22:35 18-07-2024

Edit bucket policy - S3 bucket n X Edit Block Public Access setting X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/bpa/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

## Edit Block public access (bucket settings)

**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**

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.

Cancel **Save changes**

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Edit bucket policy - S3 bucket n X Edit Block Public Access setting X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C H ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/bpa/edit?region=ap-south-1&bucketType=general

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Amazon S3 Buckets my-bucket-internix Edit Block public access (bucket settings)

## Edit Block public access (bucket settings) Info

### 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** 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.

Cancel **Save changes**

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Edit bucket policy - S3 bucket n X Edit Block Public Access setting X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C H ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/bpa/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 Buckets my-bucket-internix Edit Block public access (bucket settings)

## Edit Block public access (bucket settings) Info

### 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**  
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.

[Cancel](#) [Save changes](#)

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Edit bucket policy - S3 bucket n X Edit Block Public Access setting X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C ⌂ ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/bpa/edit?region=ap-south-1&bucketType=general

AWS Services Search [Alt+S]

Amazon S3

Buckets

Access Grants

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Object Lambda Access Points

Multi-Region Access Points

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IAM Access Analyzer for S3

Block Public Access settings for this account

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Feature spotlight

AWS Marketplace for S3

CloudShell Feedback

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ENG IN 22:37 18-07-2024 PRE

## Edit Block public access (bucket settings)

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 still function correctly. You can customize the settings for each access point.

**Edit Block public access (bucket settings)**

**Block all public access**  
Turning this setting on will block public access to this bucket and all objects within it. This may result in some objects becoming public.

**Block public access using ACLs**  
S3 will block public access to this bucket and all objects within it by ignoring any ACLs that grant public access to buckets and objects.

**Block public access using existing policies**  
S3 will block public access to this bucket and all objects within it by ignoring any policies that grant public access to buckets and objects.

**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.

**Updating the Block Public Access settings for this bucket will affect this bucket and all objects within. This may result in some objects becoming public.**

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

confirm

Cancel Confirm

Save changes

Edit bucket policy - S3 bucket n X Edit Block Public Access setting X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C ⌂ ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/bpa/edit?region=ap-south-1&bucketType=general

AWS Services Search [Alt+S]

Amazon S3

Buckets

Access Grants

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Object Lambda Access Points

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ENG IN 22:37 18-07-2024 PRE

## Edit Block public access (bucket settings)

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 still function correctly.

Block all public access

Turning this setting on will affect all objects in this bucket. This may result in some objects becoming public.

Block all public access

Turning this setting on will affect all objects in this bucket. This may result in some objects becoming public.

Block public access using ACLs

S3 will block public access to objects in this bucket using ACLs for existing and new objects.

Block public ignore existing policies

S3 will ignore existing bucket policies that grant public access to buckets and objects.

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.

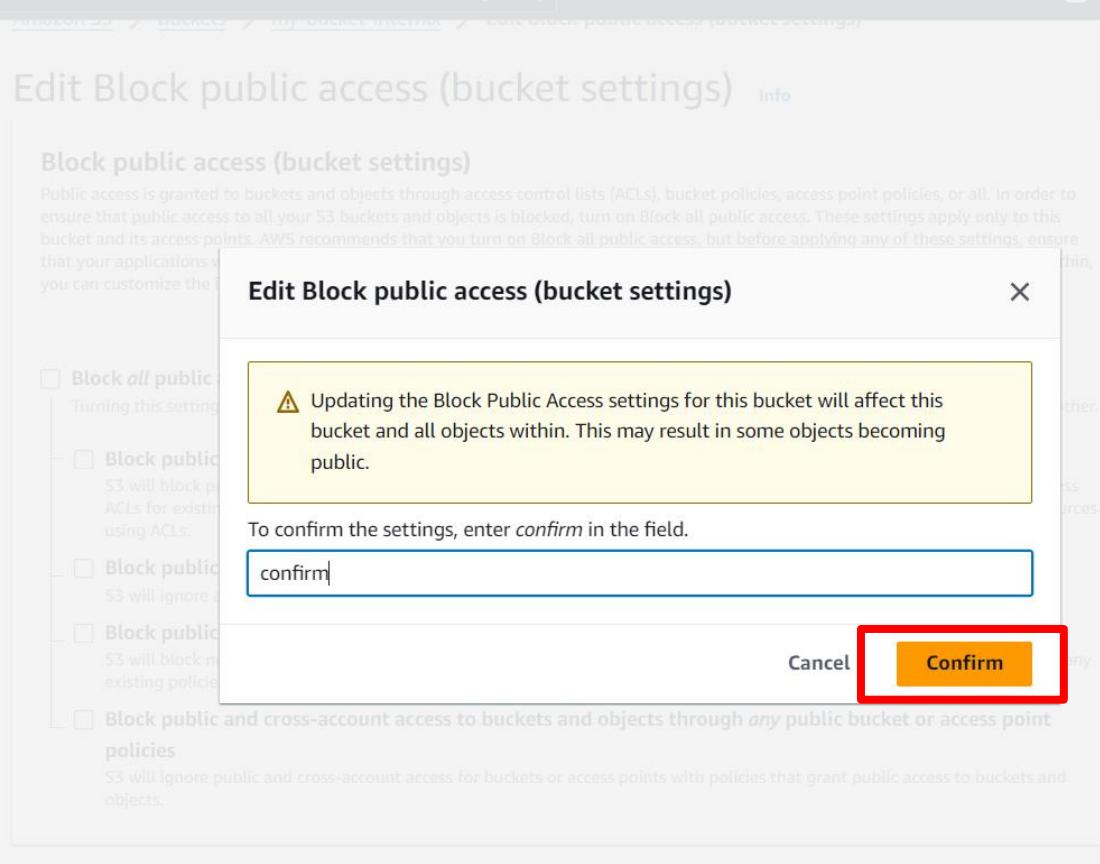
⚠️ Updating the Block Public Access settings for this bucket will affect this bucket and all objects within. This may result in some objects becoming public.

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

confirm

Cancel Confirm

Save changes



Edit bucket policy - S3 bucket n X my-bucket-internix - S3 bucket X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=permissions

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 Successfully edited Block Public Access settings for this bucket.

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

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](#)

No policy to display.

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences ENG IN 22:37 18-07-2024

my-bucket-internix - S3 bucket X my-bucket-internix - S3 bucket X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

ap-south-1.console.aws.amazon.com/s3/buckets/my-bucket-internix?region=ap-south-1&bucketType=general&tab=permissions

AWS Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 Successfully edited bucket policy.

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

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 Copy

```
{ "Version": "2012-10-17", "Id": "Policy1721321931317", "Statement": [ { "Sid": "Stmt1721321908053", "Effect": "Allow", "Principal": "*", "Action": "s3:GetObject", "Resource": "arn:aws:s3:::my-bucket-internix/*" } ] }
```

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Edit bucket policy - S3 bucket n X my-bucket-internix - S3 bucket X AWS Policy Generator X my-bucket-internix.s3.ap-south X +

← → C H ap-south-1.console.aws.amazon.com/s3/bucket/my-bucket-internix/property/policy/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

**Amazon S3**

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

**Storage Lens**

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

+ Add new statement

JSON Ln 15, Col 1

Security: 0 Errors: 0 Warnings: 0 Suggestions: 0 Preview external access

**Your bucket policy changes can't be saved**

You either don't have permissions to edit the bucket policy, or your bucket policy grants a level of public access that conflicts with your Block Public Access settings. To edit a bucket policy, you need the s3:PutBucketPolicy permission. To review which Block Public Access settings are turned on, view your [account](#) and [bucket](#) settings. Learn more about [Identity and access management in Amazon S3](#).

▶ API response

Cancel Save changes

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The screenshot shows the AWS S3 Bucket Policy Editor interface. On the left, there's a sidebar with navigation links like Buckets, Access Grants, and Storage Lens. The main area has a large red warning box centered on the screen. The warning message reads: "Your bucket policy changes can't be saved. You either don't have permissions to edit the bucket policy, or your bucket policy grants a level of public access that conflicts with your Block Public Access settings. To edit a bucket policy, you need the s3:PutBucketPolicy permission. To review which Block Public Access settings are turned on, view your account and bucket settings. Learn more about Identity and access management in Amazon S3." At the bottom right of the warning box, there are "Cancel" and "Save changes" buttons, with "Save changes" being highlighted by a red box. The status bar at the bottom of the browser window shows the date and time as 18-07-2024 and 22:38, along with network and battery status.

AWS Certified Cloud Practitioner X my-bucket-internix.s3.ap-south-1.amazonaws.com/AWS+Certified+Cloud+Practitioner+certificate.pdf

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

```
▼<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>DG3NC9GG915A4K26</RequestId>
  <HostId>1qShxw8PByPC9/SFS9PvBTnHW+2QXanuutnVmYvEzcEnZTVgcBT2l7uVIR932hrZlFRih17ryJs=</HostId>
</Error>
```

AWS Certified Cloud Practitioner X AWS+Certified+Cloud+Practic X +

Adobe Acrobat: PDF edit, convert, sign tools chrome-extension://efaidnbmnnibpcajpcgjclefindmkaj/https://my-bucket-internix.s3.ap-south-1.amazonaws.com/AWS+Certified+Cloud+Pr... ☆ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂

All tools Edit Convert E-Sign my-bucket-i... / AWS+Certified+Cloud+Pr... Share AI Assistant Sign in

aws certified

# Rushikesh Kondhekar

AWS Certified Cloud Practitioner

**VALIDATION NUMBER:** f490055906c6480aafa48d0646361590  
**VALIDATE AT:** <https://aws.amazon.com/verification>

**Issue Date:** May 23, 2024  
**Expiration Date:** May 23, 2027

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Windows Search icon

Cloud, ENG IN, 22:40, 18-07-2024, Notifications icon

S3 buckets | S3 | ap-south-1

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

Amazon S3 Services Search [Alt+S]

Amazon S3 > Buckets

Account snapshot - updated every 24 hours All AWS Regions

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

View Storage Lens dashboard

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

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ENG IN 12:54 19-07-2024 PRI

**General purpose buckets (1)** All AWS Regions

Buckets are containers for data stored in S3.

Find buckets by name

Name AWS Region IAM Access Analyzer Creation date

Name	AWS Region	IAM Access Analyzer	Creation date
my-bucket-internix	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	July 18, 2024, 22:08:04 (UTC+05:30)

Create bucket

General purpose buckets (1) All AWS Regions

Buckets are containers for data stored in S3.

Find buckets by name

Name AWS Region IAM Access Analyzer Creation date

Name	AWS Region	IAM Access Analyzer	Creation date
my-bucket-internix	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	July 18, 2024, 22:08:04 (UTC+05:30)

Create S3 bucket | S3 | ap-south-1 X +

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

AWS Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > Create bucket

## Create bucket Info

Buckets are containers for data stored in S3.

### General configuration

AWS Region  
Asia Pacific (Mumbai) ap-south-1

Bucket name Info  
 demo-versioning-internix

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

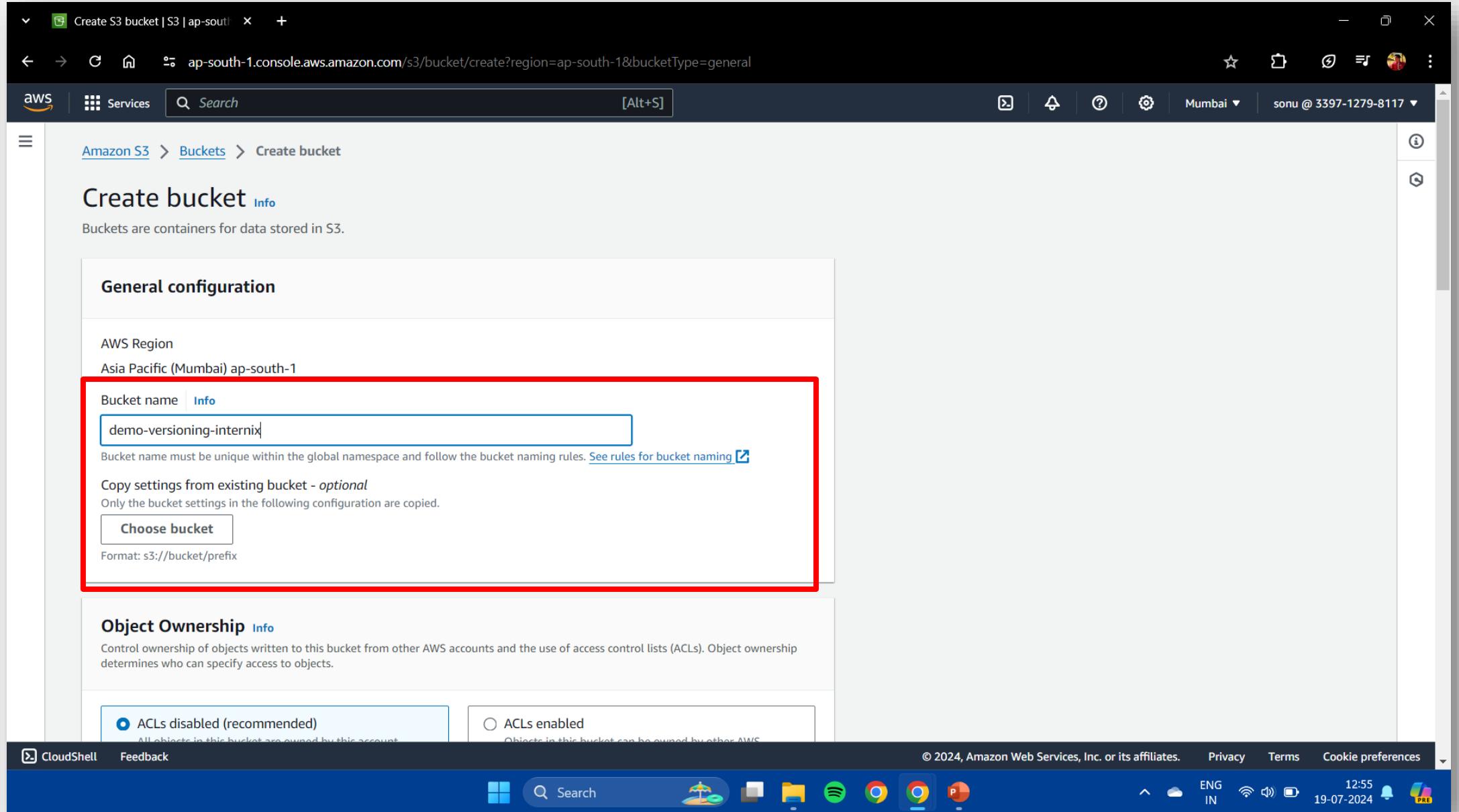
Object Ownership Info

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

ACLs enabled  
Objects in this bucket can be owned by other AWS accounts

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Create S3 bucket | S3 | ap-south 1 X +

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

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

**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

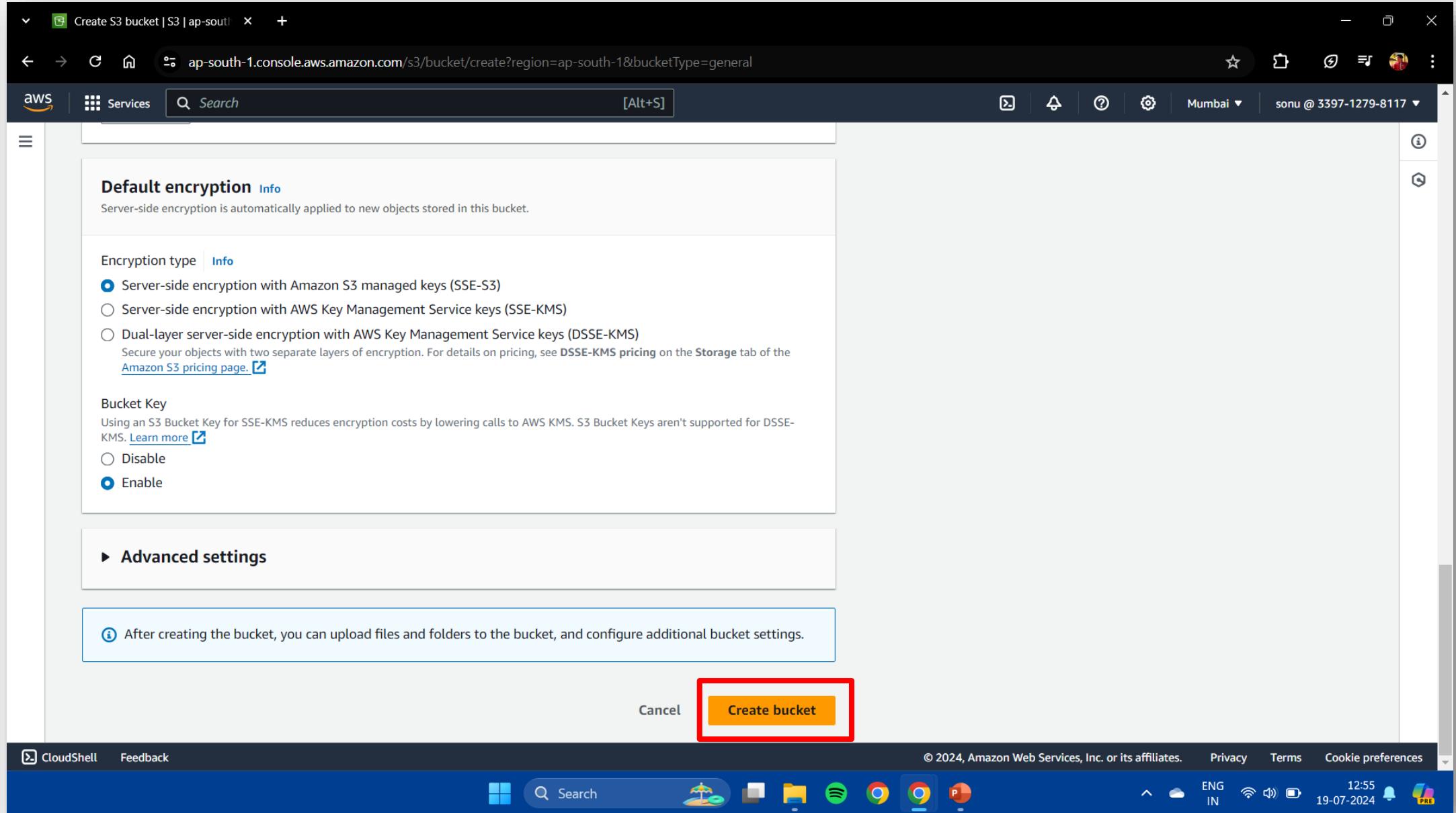
Enable

**Advanced settings**

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

Cancel **Create bucket**

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S3 buckets | S3 | ap-south-1 X +

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

aws Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Successfully created bucket "demo-versioning-internix"  
To upload files and folders, or to configure additional bucket settings, choose View details.

View details X

Amazon S3 > Buckets

▶ Account snapshot - updated every 24 hours All AWS Regions

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](#) All AWS Regions

Buckets are containers for data stored in S3.

Find buckets by name

C Copy ARN Empty Delete Create bucket

< 1 > ⚙

Name	AWS Region	IAM Access Analyzer	Creation date
<a href="#">demo-versioning-internix</a>	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	July 19, 2024, 12:55:34 (UTC+05:30)
<a href="#">my-bucket-internix</a>	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	July 18, 2024, 22:08:04 (UTC+05:30)

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ENG IN 12:55 19-07-2024 PR

demo-versioning-internix - S3

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects

Services | Search [Alt+S]

Mumbai | sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix

## demo-versioning-internix Info

Objects Properties Permissions Metrics Management Access Points

**Objects (0) Info**

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix < 1 > Settings

Name	Type	Last modified	Size	Storage class
No objects You don't have any objects in this bucket.				

**Upload**

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Search

ENG IN 12:56 19-07-2024

Upload objects - S3 bucket demo

ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix > 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 SDK 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 (0)**  
All files and folders in this table will be uploaded.

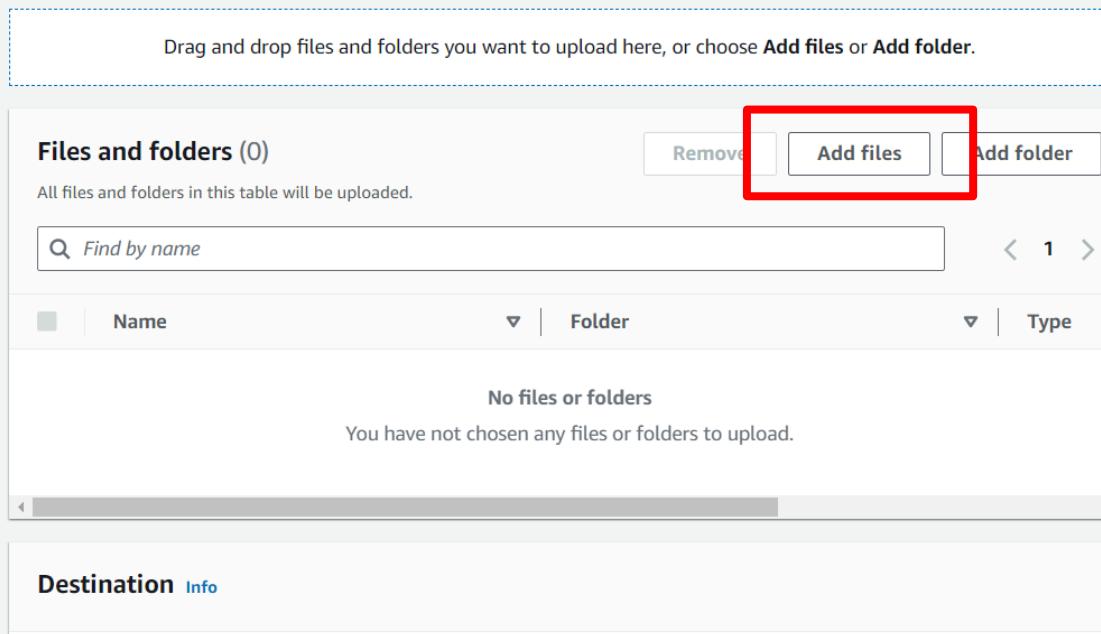
< 1 >

Name	Folder	Type
No files or folders You have not chosen any files or folders to upload.		

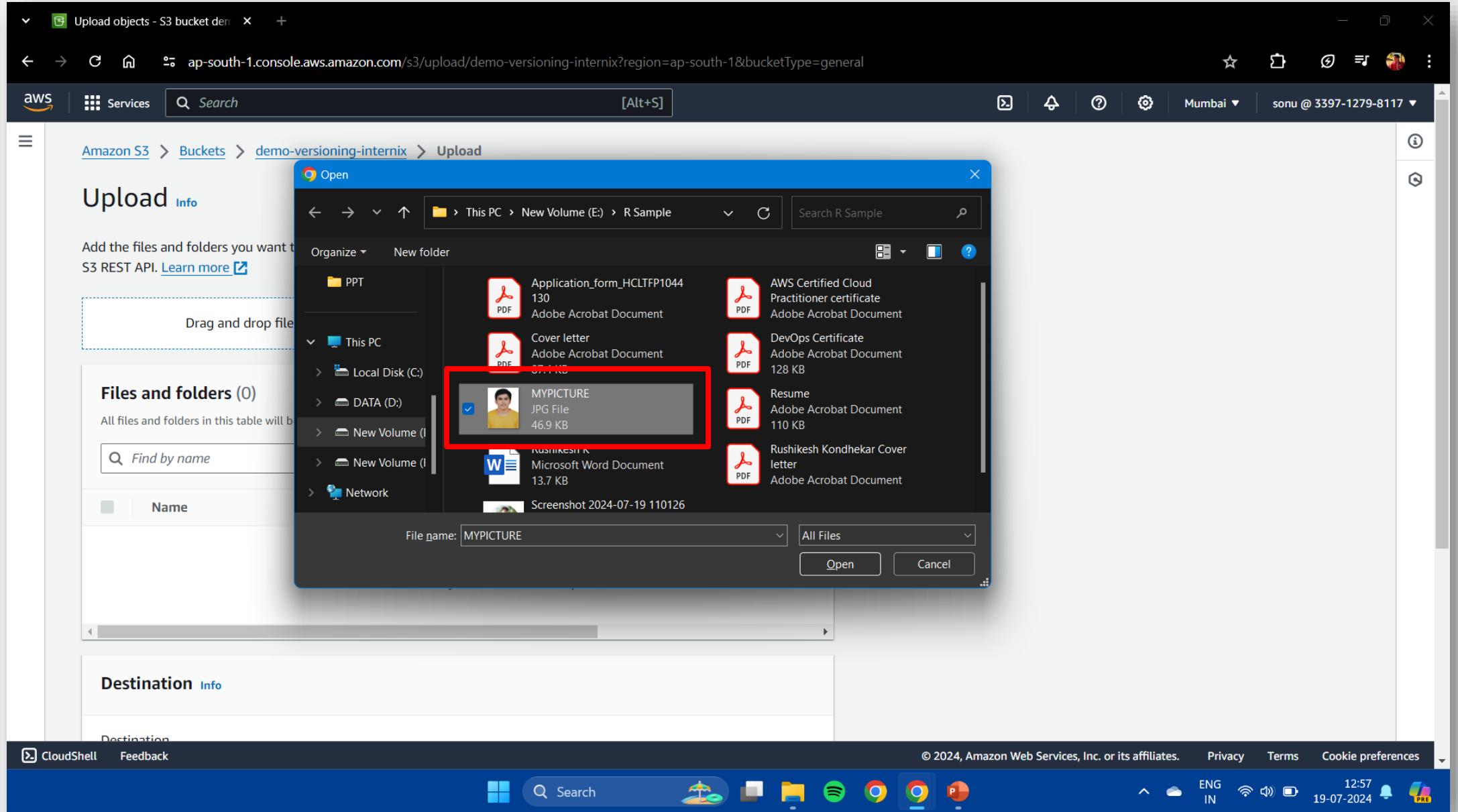
**Destination Info**

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ENG IN 12:56 19-07-2024



The screenshot shows the AWS S3 'Upload' interface. At the top, there's a header bar with the AWS logo, search bar, and navigation links. Below it, the breadcrumb navigation shows 'Amazon S3 > Buckets > demo-versioning-internix > Upload'. The main area is titled 'Upload' with a 'Info' link. A large text box invites users to drag and drop files or choose 'Add files' or 'Add folder'. Below this is a table titled 'Files and folders (0)' with a note that all items will be uploaded. A search bar and pagination controls are present above the table. The table itself has columns for Name, Folder, and Type, and displays a message: 'No files or folders' and 'You have not chosen any files or folders to upload.' At the bottom, there's a section for 'Destination' and a footer with various links and system status indicators.



Upload objects - S3 bucket demo

ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Drag and drop files and folders you want to upload here, or choose Add files or Add folder.

Files and folders (1 Total, 46.9 KB)

All files and folders in this table will be uploaded.

Find by name

<input type="checkbox"/>	Name	Folder	Type
<input type="checkbox"/>	MYPICTURE.jpg	-	image/jpeg

Destination Info

Destination  
s3://demo-versioning-internix

▶ 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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ENG IN 12:57 19-07-2024

The screenshot shows the AWS S3 'Upload objects' interface. At the top, the browser address bar displays the URL for uploading to the 'demo-versioning-internix' bucket in the 'ap-south-1' region. The AWS navigation bar includes 'Services' and a search bar. Below the navigation bar is a large dashed blue box with the placeholder text 'Drag and drop files and folders you want to upload here, or choose Add files or Add folder.' To the right of this box are three buttons: 'Remove', 'Add files', and 'Add folder'. A red rectangular box highlights the 'Files and folders' table below. The table has columns for selection, Name, Folder, and Type. It contains one item: 'MYPICTURE.jpg' which is an image/jpeg file. The 'Destination' section shows the target bucket as 's3://demo-versioning-internix'. There are three expandable sections: 'Destination details', 'Permissions', and 'Properties'. The bottom of the page features a dark blue footer bar with links for CloudShell, Feedback, copyright information, and language/region settings (ENG IN). The date and time (12:57, 19-07-2024) are also shown in the footer.

Upload objects - S3 bucket demo

ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Files and folders (1 Total, 46.9 KB)

All files and folders in this table will be uploaded.

Find by name

<input type="checkbox"/>	Name	Folder	Type
<input type="checkbox"/>	MYPICTURE.jpg	-	image/jpeg

Destination [Info](#)

Destination  
s3://demo-versioning-internix

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

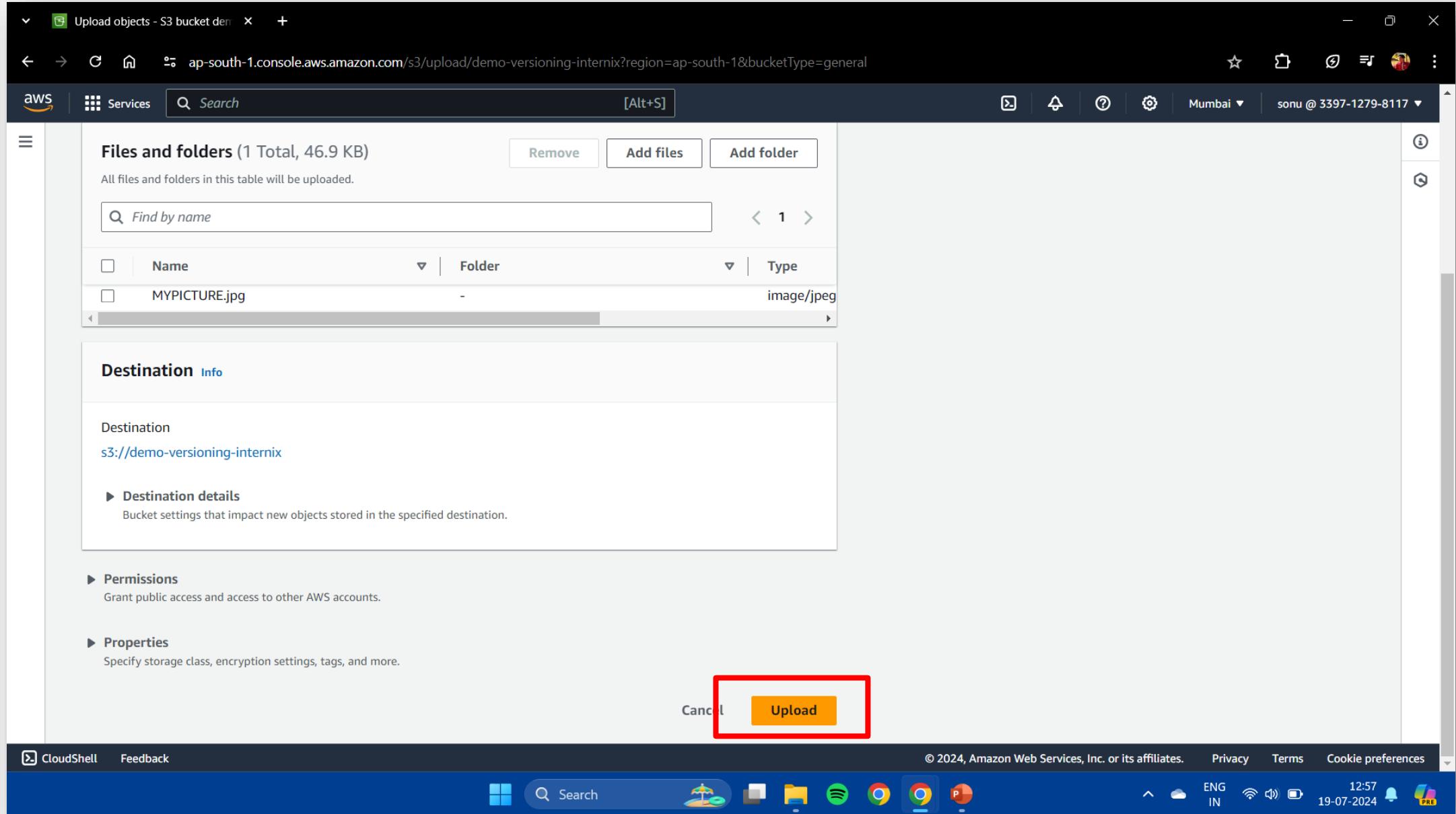
▶ Permissions  
Grant public access and access to other AWS accounts.

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

Cancel **Upload**

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ENG IN 12:57 19-07-2024



Upload objects - S3 bucket demo

ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

**Upload succeeded**  
View details below.

The information below will no longer be available after you navigate away from this page.

**Summary**

Destination	Succeeded	Failed
s3://demo-versioning-internix	1 file, 46.9 KB (100.00%)	0 files, 0 B (0%)

**Files and folders** Configuration

**Files and folders (1 Total, 46.9 KB)**

Name	Folder	Type	Size	Status	Error
<a href="#">MYPICTURE....</a>	-	image/jpeg	46.9 KB	Succeeded	-

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ENG IN 12:58 19-07-2024

demo-versioning-internix - S3

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

## Amazon S3

Buckets

- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

CloudShell Feedback

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ENG IN 12:58 19-07-2024

### demo-versioning-internix Info

Objects Properties Permissions Metrics Management Access Points

#### Objects (1) Info

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">MYPICTURE.jpg</a>	jpg	July 19, 2024, 12:58:05 (UTC+05:30)	46.9 KB	Standard

MYPICTURE.jpg - Object in S3

ap-south-1.console.aws.amazon.com/s3/object/demo-versioning-internix?region=ap-south-1&bucketType=general&prefix=MYPICUTURE.jpg

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Amazon S3

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

MYPICTURE.jpg Info

Copy S3 URI Download Open Object actions

Properties Permissions Versions

### Object overview

Owner	S3 URI
9a2fe8c73162ea5535029d717acd6d42deaa3dea0d249679e1f5b277fad96b0	<a href="s3://demo-versioning-internix/MYPICUTURE.jpg">s3://demo-versioning-internix/MYPICUTURE.jpg</a>
AWS Region	Amazon Resource Name (ARN)
Asia Pacific (Mumbai) ap-south-1	<a href="arn:aws:s3:::demo-versioning-internix/MYPICUTURE.jpg">arn:aws:s3:::demo-versioning-internix/MYPICUTURE.jpg</a>
Last modified	Entity tag (Etag)
July 19, 2024, 12:58:05 (UTC+05:30)	<a href="#">c2b44f4f6e045d66ed5dd51ba11fd0e8</a>
Size	Object URL
46.9 KB	<a href="https://demo-versioning-internix.s3.ap-south-1.amazonaws.com/MYPICUTURE.jpg">https://demo-versioning-internix.s3.ap-south-1.amazonaws.com/MYPICUTURE.jpg</a>
Type	
jpg	
Key	
<a href="#">MYPICUTURE.jpg</a>	

https://ap-south-1.console.aws.amazon.com/cloudshell/home?region=ap-south-1

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ENG IN 13:03 19-07-2024



demo-versioning-internix - S3

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

## Amazon S3

Buckets

- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

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ENG IN 12:58 19-07-2024

demo-versioning-internix Info

Objects (1) Info

Object Properties Permissions Metrics Management Access Points

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix < 1 >  Name Type Last modified Size Storage class

Name	Type	Last modified	Size	Storage class
MYPICTURE.jpg	jpg	July 19, 2024, 12:58:05 (UTC+05:30)	46.9 KB	Standard

demo-versioning-internix - S3   MYPICTURE.jpg (427x574)

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=properties

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

## Amazon S3

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

**Storage Lens**

Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

### 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**  
Disabled

**Multi-factor authentication (MFA) delete**  
An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

**Tags (0)**  
You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

Key	Value
No tags associated with this resource.	

**Default encryption** [Info](#)  
Server-side encryption is automatically applied to new objects stored in this bucket.

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Edit versioning - S3 bucket dem X MYPICTURE.jpg (427x574) ap-south-1.console.aws.amazon.com/s3/bucket/demo-versioning-internix/property/versioning/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Amazon S3 Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Edit Bucket Versioning

## 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](#)

**Suspend**  
This suspends the creation of object versions for all operations but preserves any existing object versions.

**Enable**

**Multi-factor authentication (MFA) delete**  
An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Cancel Save changes

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ENG IN 13:05 19-07-2024 PR

Edit versioning - S3 bucket dem X MYPICTURE.jpg (427x574) X +

ap-south-1.console.aws.amazon.com/s3/bucket/demo-versioning-internix/property/versioning/edit?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Amazon S3 X

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Amazon S3 > Buckets > demo-versioning-internix > Edit Bucket Versioning

## Edit Bucket Versioning Info

### 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

Suspend  
This suspends the creation of object versions for all operations but preserves any existing object versions.

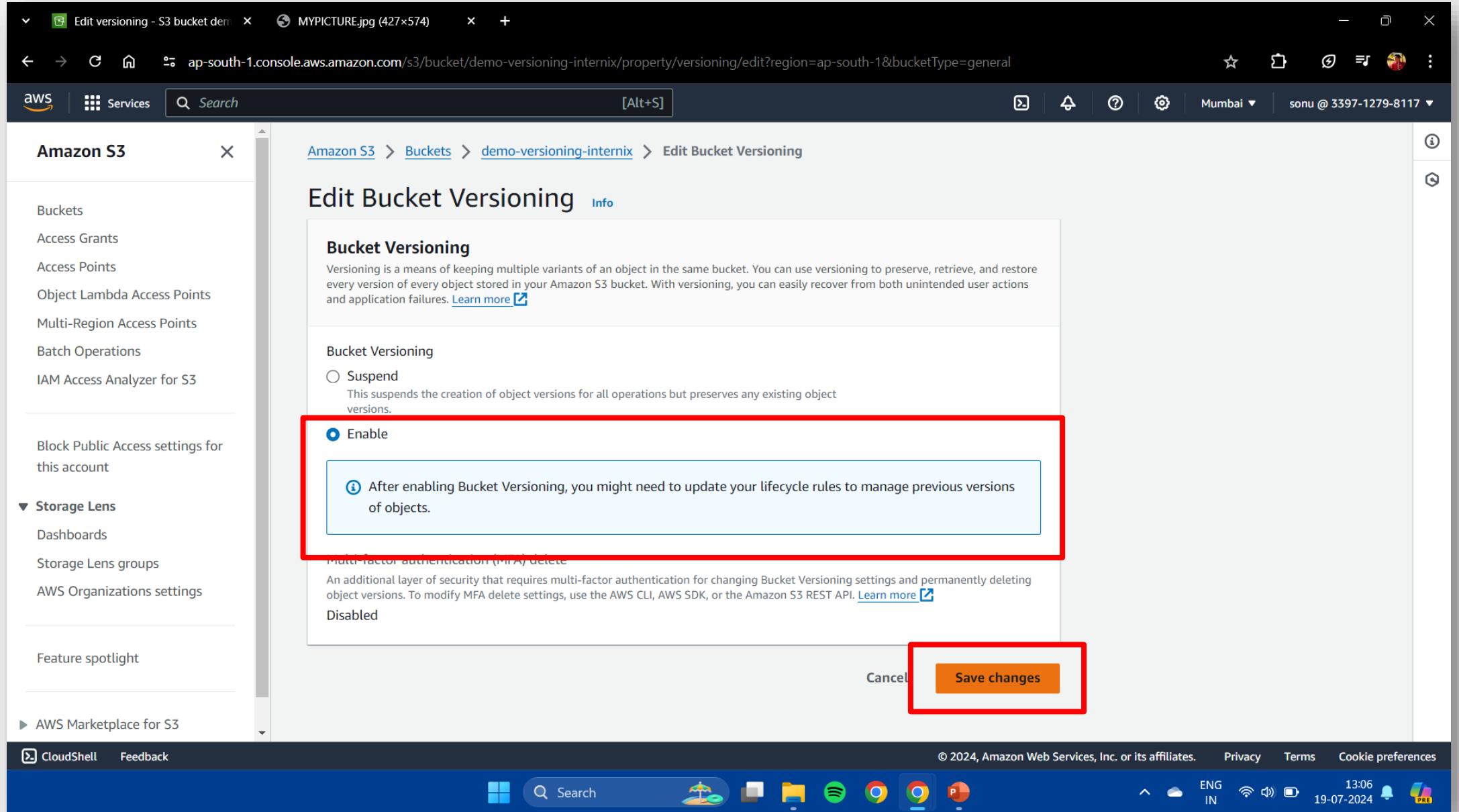
Enable  
After enabling Bucket Versioning, you might need to update your lifecycle rules to manage previous versions of objects.

Multi-Factor authentication (MFA) delete  
An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Cancel **Save changes**

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demo-versioning-internix - S3    MYPICTURE.jpg (427x574)

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=properties

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

**Amazon S3**

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

**Storage Lens**

Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

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**Successfully edited Bucket Versioning**  
To transition, archive, or delete older object versions, [configure lifecycle rules for this bucket](#).

Amazon S3 > Buckets > demo-versioning-internix

## demo-versioning-internix Info

Objects Properties Permissions Metrics Management Access Points

### Bucket overview

AWS Region	Amazon Resource Name (ARN)	Creation date
Asia Pacific (Mumbai) ap-south-1	<a href="#">arn:aws:s3:::demo-versioning-internix</a>	July 19, 2024, 12:55:34 (UTC+05:30)

### 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**  
Enabled  
Multi-factor authentication (MFA) delete  
An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

demo-versioning-internix - S3    MYPICTURE.jpg (427x574)

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

## Amazon S3

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

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ENG IN 13:07 19-07-2024

Set Up and Configure S3 Buckets

Amazon S3 > Buckets > demo-versioning-internix

### demo-versioning-internix Info

Objects Properties Permissions Metrics Management Access Points

#### Objects (1) Info

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Show versions

Name	Type	Last modified	Size	Storage class
MYPICTURE.jpg	jpg	July 19, 2024, 12:58:05 (UTC+05:30)	46.9 KB	Standard

demo-versioning-internix - S3    MYPICTURE.jpg (427x574)

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

## Amazon S3

Buckets Access Grants Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Objects (1) Info

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

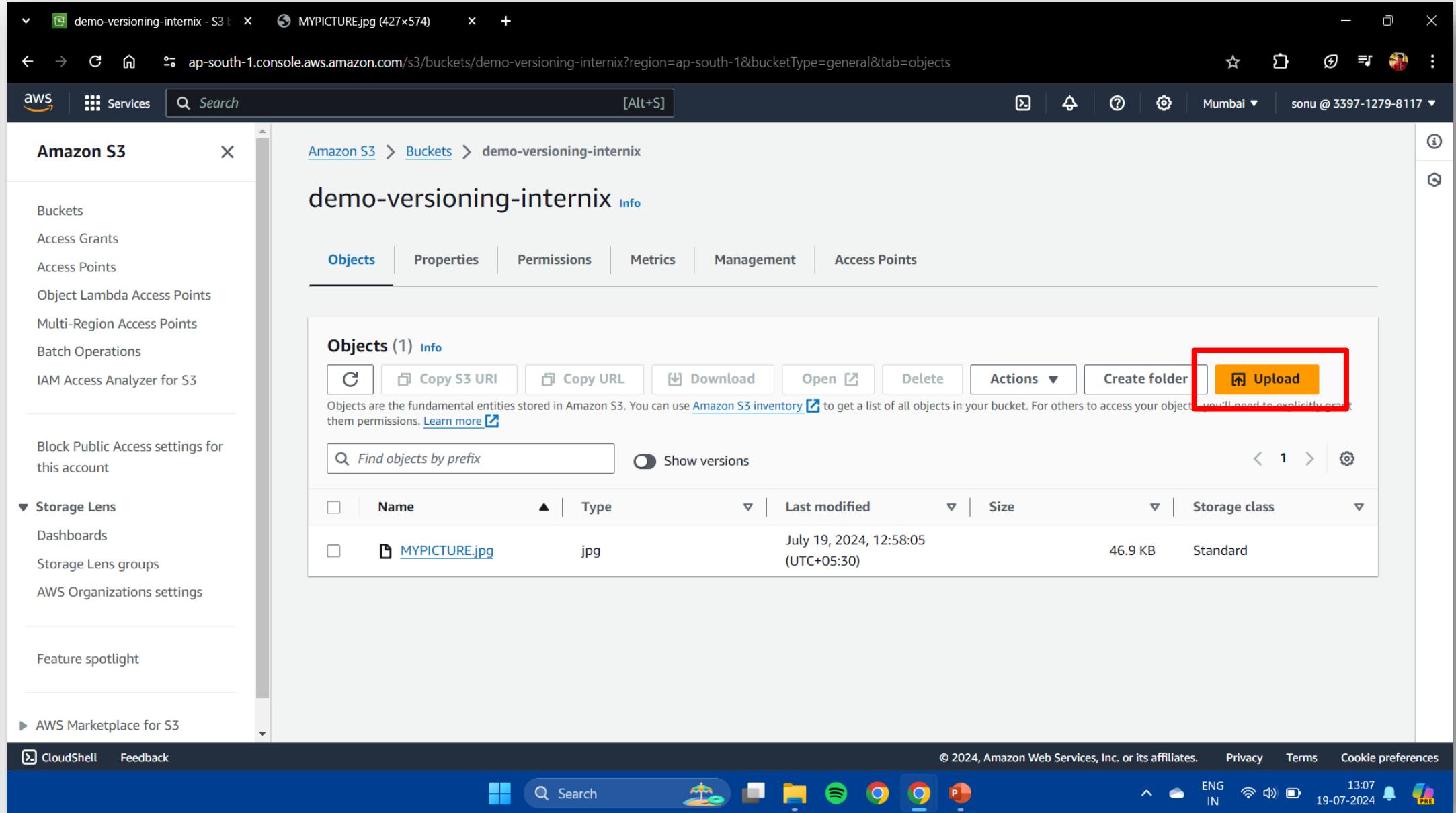
Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix Show versions

Name	Type	Last modified	Size	Storage class
MYPICTURE.jpg	jpg	July 19, 2024, 12:58:05 (UTC+05:30)	46.9 KB	Standard

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ENG IN 13:07 19-07-2024



Upload objects - S3 bucket demo < MYPICTURE.jpg (427x574)

ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix > 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 SDK 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 (0)**  
All files and folders in this table will be uploaded.

**Add files** **Add folder**

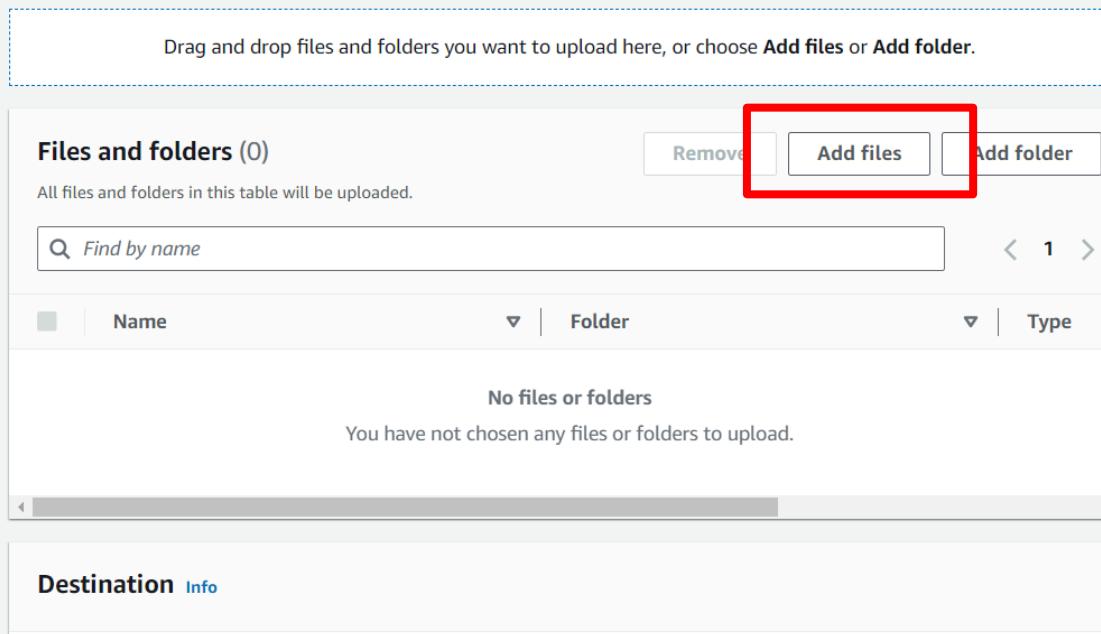
**Find by name**

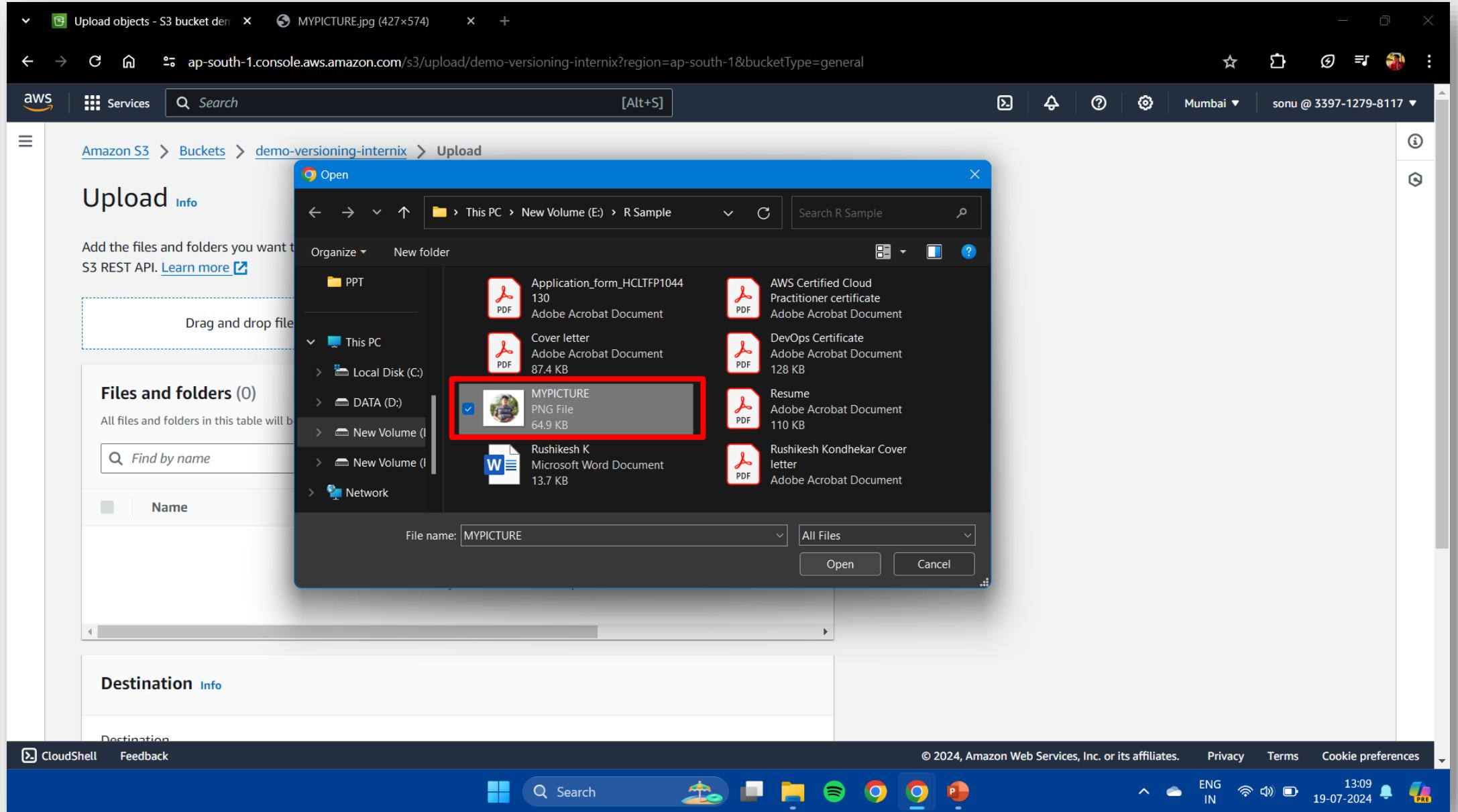
Name	Folder	Type
No files or folders You have not chosen any files or folders to upload.		

**Destination Info**

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Upload objects - S3 bucket demo < MYPICTURE.jpg (427x574)

ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix > 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 SDK 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, 65.0 KB)**

All files and folders in this table will be uploaded.

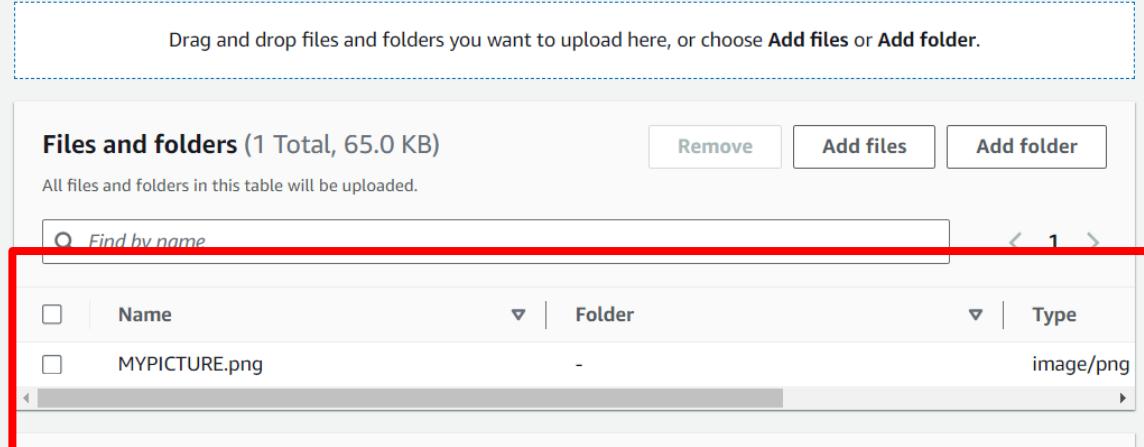
<input type="checkbox"/>	Name	Folder	Type
<input type="checkbox"/>	MYPICTURE.png	-	image/png

**Destination Info**

Destination  
s3://demo-versioning-internix

Destination details

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The screenshot shows the AWS S3 'Upload' interface. At the top, there are tabs for 'Upload objects - S3 bucket demo' and 'MYPICTURE.jpg (427x574)'. The URL in the address bar is 'ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general'. The main content area shows the 'Upload' step of the process. A large dashed box is provided for dragging and dropping files. Below it, a table lists 'Files and folders (1 Total, 65.0 KB)' with one item: 'MYPICTURE.png' (image/png). This table is also highlighted with a red box. The 'Destination' section shows the target as 's3://demo-versioning-internix'. The bottom navigation bar includes 'CloudShell', 'Feedback', and links for 'Privacy', 'Terms', and 'Cookie preferences', along with language and date/time settings.

Upload objects - S3 bucket demo

MYPICTURE.jpg (427x574)

ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Files and folders (1 Total, 65.0 KB)

All files and folders in this table will be uploaded.

Find by name

<input type="checkbox"/>	Name	Folder	Type
<input type="checkbox"/>	MYPICTURE.png	-	image/png

Destination [Info](#)

Destination  
s3://demo-versioning-internix

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

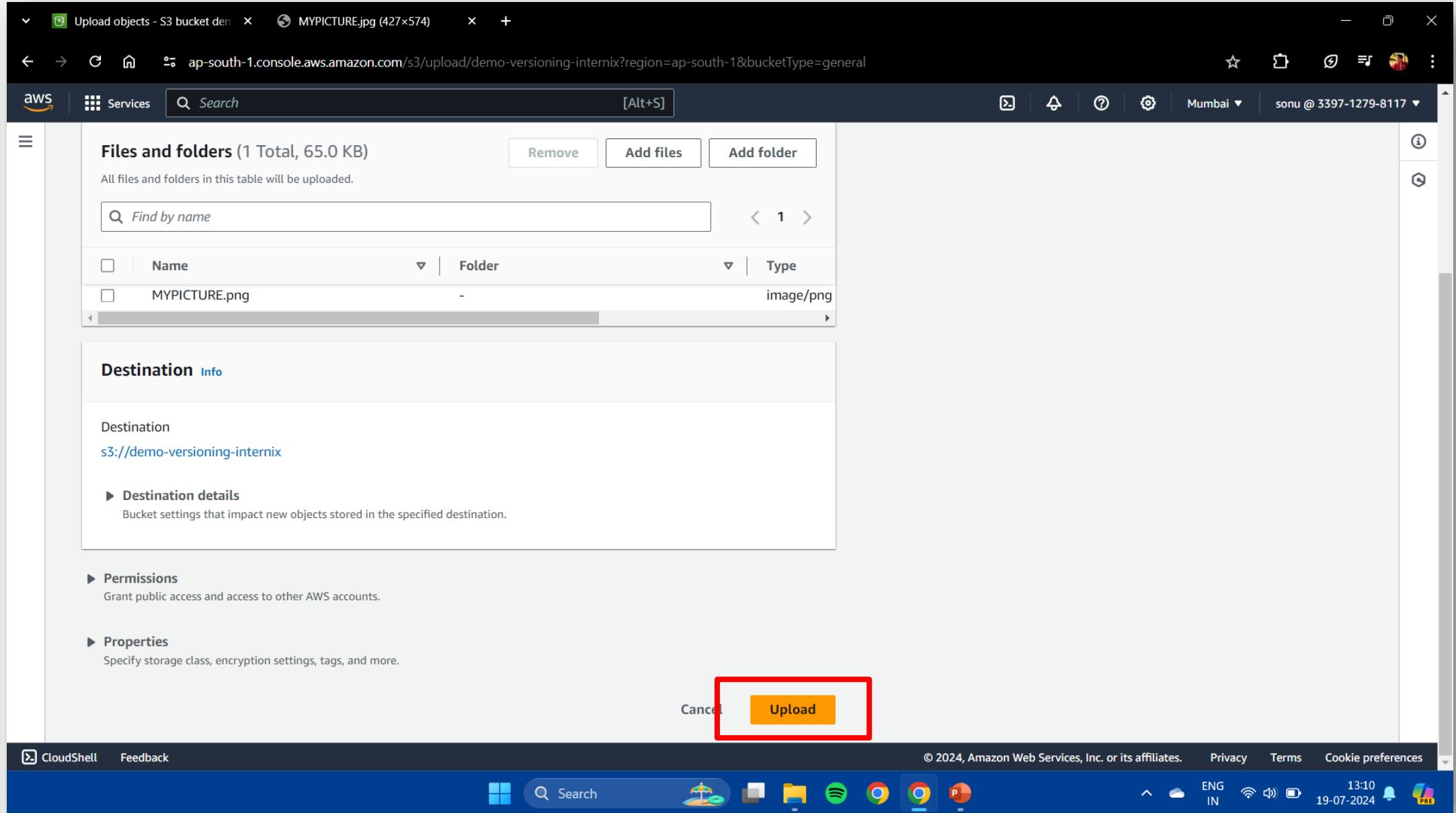
▶ Permissions  
Grant public access and access to other AWS accounts.

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

Cancel **Upload**

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ENG IN 13:10 19-07-2024



Upload objects - S3 bucket dem X MYPICTURE.jpg (427x574) X +

ap-south-1.console.aws.amazon.com/s3/upload/demo-versioning-internix?region=ap-south-1&bucketType=general

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

**Upload succeeded**  
View details below.

Upload status Close

The information below will no longer be available after you navigate away from this page.

**Summary**

Destination	Succeeded	Failed
s3://demo-versioning-internix	1 file, 65.0 KB (100.00%)	0 files, 0 B (0%)

**Files and folders** Configuration

**Files and folders (1 Total, 65.0 KB)**

Name	Folder	Type	Size	Status	Error
MYPICTURE....	-	image/png	65.0 KB	Succeeded	-

Find by name < 1 >

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This screenshot shows the AWS S3 upload status page. At the top, there's a green success message: 'Upload succeeded' with 'View details below.' Below it, a note says 'The information below will no longer be available after you navigate away from this page.' The main section is titled 'Summary' and shows the destination as 's3://demo-versioning-internix'. It lists one succeeded file: '1 file, 65.0 KB (100.00%)' and zero failed files. Below this, there are tabs for 'Files and folders' (which is selected) and 'Configuration'. Under 'Files and folders', it shows '1 Total, 65.0 KB' with a table listing the uploaded file 'MYPICTURE....'. The file is listed as an image/png file, 65.0 KB in size, with a status of 'Succeeded'. A search bar and navigation arrows are also present. The bottom of the screen includes standard browser controls and a footer with copyright information and system status icons.

demo-versioning-internix - S3   MYPICTURE.jpg (427x574)

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix

## demo-versioning-internix Info

Objects Properties Permissions Metrics Management Access Points

**Objects (1) Info**

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

Find objects by prefix Show versions < 1 > Settings

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">MYPICTURE.jpg</a>	jpg	July 19, 2024, 13:15:12 (UTC+05:30)	16.6 KB	Standard

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ENG IN 13:15 19-07-2024 PRI

The screenshot shows the AWS S3 console interface. At the top, there are two tabs: 'demo-versioning-internix' and 'MYPICTURE.jpg (427x574)'. The URL in the address bar is 'ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects'. The main navigation bar includes 'Services', 'Search', and 'Mumbai sonu @ 3397-1279-8117'. Below the navigation, the breadcrumb path is 'Amazon S3 > Buckets > demo-versioning-internix'. The bucket name 'demo-versioning-internix' is displayed in large bold letters with a 'Info' link. A horizontal menu bar below the title contains 'Objects', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points', with 'Objects' being the active tab. The 'Objects' section header shows '(1) Info' and a table with one row. The table has columns for checkbox, Name, Type, Last modified, Size, and Storage class. The single object listed is 'MYPICTURE.jpg' (Type: jpg, Last modified: July 19, 2024, 13:15:12 (UTC+05:30), Size: 16.6 KB, Storage class: Standard). A red box highlights this entire table row. Above the table are several action buttons: 'C' (Copy S3 URI), 'Copy URL', 'Download', 'Open', 'Delete', 'Actions' (with a dropdown arrow), 'Create folder', and 'Upload'. Below the table is a search bar with placeholder 'Find objects by prefix' and a 'Show versions' toggle. At the bottom of the page, there's a footer with links for 'CloudShell', 'Feedback', 'Privacy', 'Terms', and 'Cookie preferences', along with system status icons like battery level, signal strength, and date/time.

MYPICTURE.jpg - Object in S3   MYPICTURE.jpg (427x574)   -   X

ap-south-1.console.aws.amazon.com/s3/object/demo-versioning-internix?region=ap-south-1&bucketType=general&prefix=MYPICTURE.jpg

Services   Search   [Alt+S]

Mumbai   sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix > MYPICTURE.jpg

MYPICTURE.jpg [Info](#)

Properties   Permissions   Versions

Object overview

Owner	9a2fe8c73162ea5535029d717acd6d42deaa3dea0d249679e1f5b277fad96b0
AWS Region	Asia Pacific (Mumbai) ap-south-1
Last modified	July 19, 2024, 13:15:12 (UTC+05:30)
Size	16.6 KB
Type	jpg
Key	<a href="#">MYPICTURE.jpg</a>

S3 URI

<s3://demo-versioning-internix/MYPICTURE.jpg>

Amazon Resource Name (ARN)

<arn:aws:s3:::demo-versioning-internix/MYPICTURE.jpg>

Entity tag (Etag)

[0996b3d8e3795a392fa2c7749a8fc9b2](#)

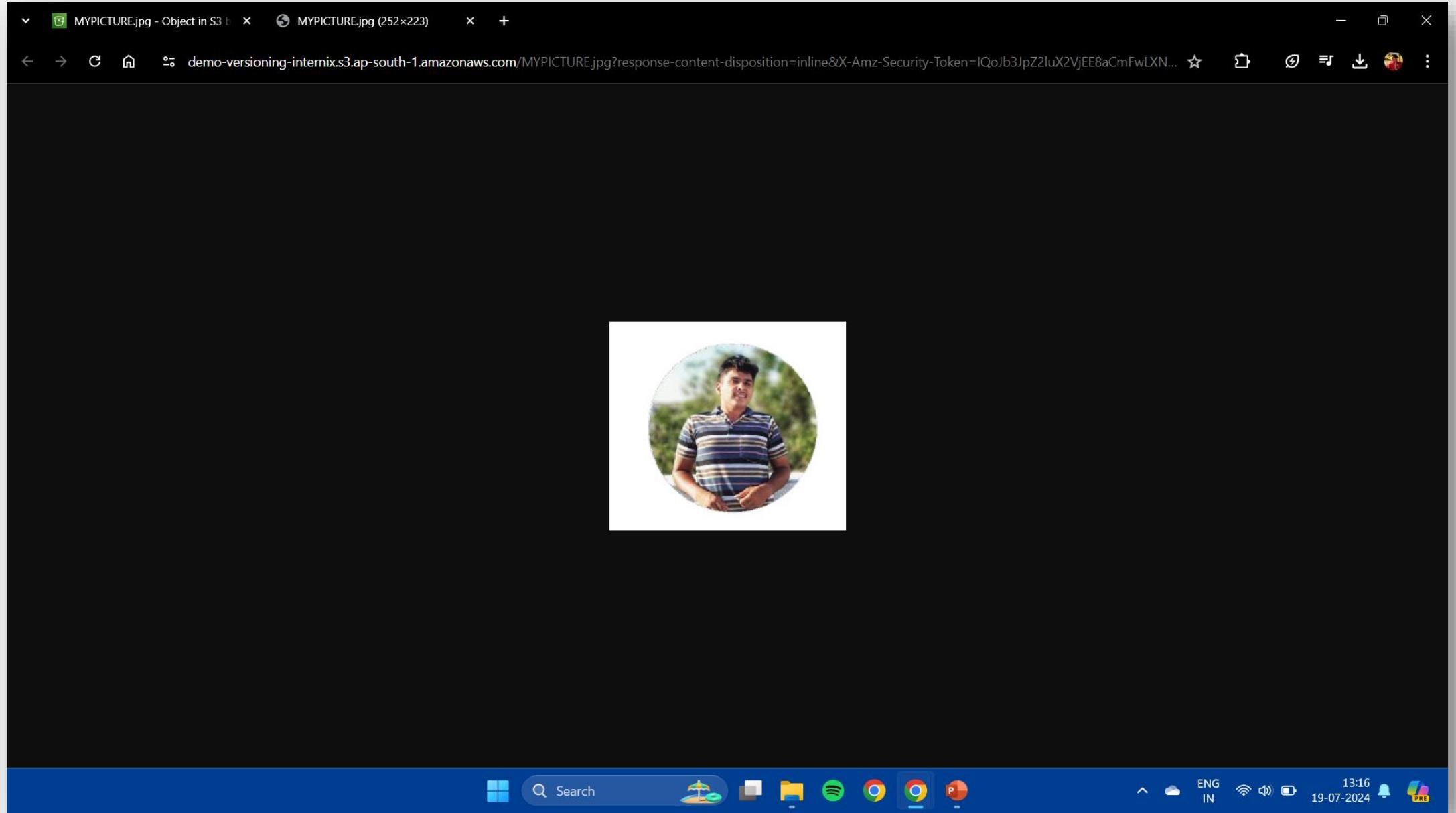
Object URL

<https://demo-versioning-internix.s3.ap-south-1.amazonaws.com/MYPICTURE.jpg>

Copy S3 URI   Download   Open    Object actions ▾

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Search   ENG IN   13:16   19-07-2024



The screenshot shows the AWS S3 console interface. The top navigation bar includes tabs for CloudShell, Feedback, and a search bar with the placeholder 'Search [Alt+S]'. The main content area displays the 'Objects' tab for the 'demo-versioning-internix' bucket, which contains one object: 'MYPICTURE.jpg'. The object details are as follows:

Name	Type	Last modified	Size	Storage class
MYPICTURE.jpg	jpg	July 19, 2024, 13:15:12 (UTC+05:30)	16.6 KB	Standard

Below the table, there is a button labeled 'Show versions' which is highlighted with a red box. The top right of the page shows the user's profile information: 'sonu @ 3397-1279-8117'.

demo-versioning-internix - S3    MYPICTURE.jpg (252x223)

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects&showversions=true

Services Search [Alt+S]

Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix

## demo-versioning-internix Info

Objects Properties Permissions Metrics Management Access Points

**Objects (2) Info**

C Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

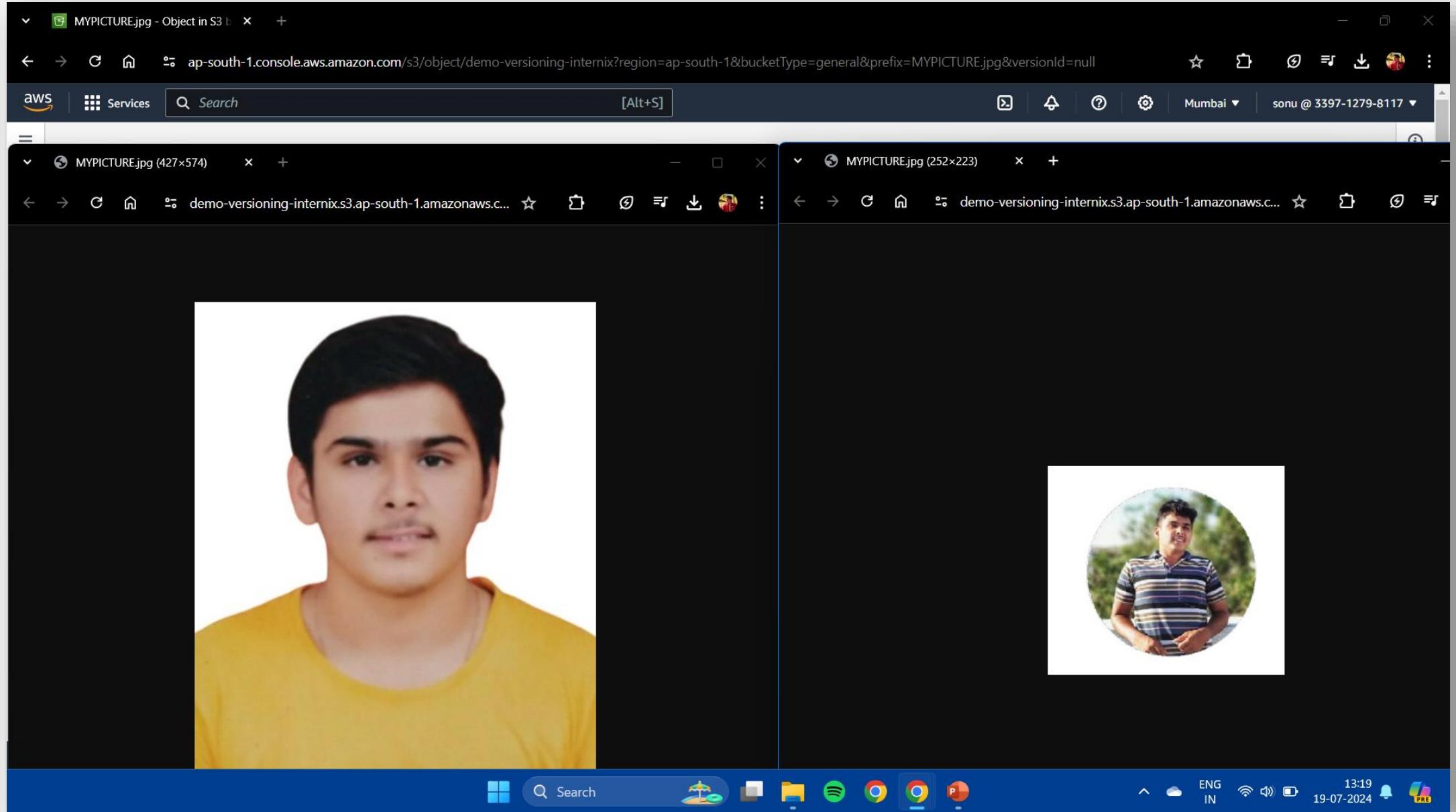
Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix Show versions < 1 > Settings

<input type="checkbox"/>	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">MYPICUTURE.jpg</a>	jpg	7aK5R7wM w0IoNju6XQ oFMH85mZ WexA4E	July 19, 2024, 13:15:12 (UTC+05:30)	16.6 KB	Standard
<input type="checkbox"/>	<a href="#">MYPICUTURE.jpg</a>	jpg	null	July 19, 2024, 12:58:05 (UTC+05:30)	46.9 KB	Standard

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ENG IN 13:18 19-07-2024 PR



S3 buckets | S3 | ap-south-1 X MYPICTURE.jpg (252x223) X MYPICTURE.jpg (427x574) X +

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

Services Search [Alt+S]

Amazon S3 > Buckets

Account snapshot - updated every 24 hours All AWS Regions

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 All AWS Regions

Buckets are containers for data stored in S3.

Find buckets by name

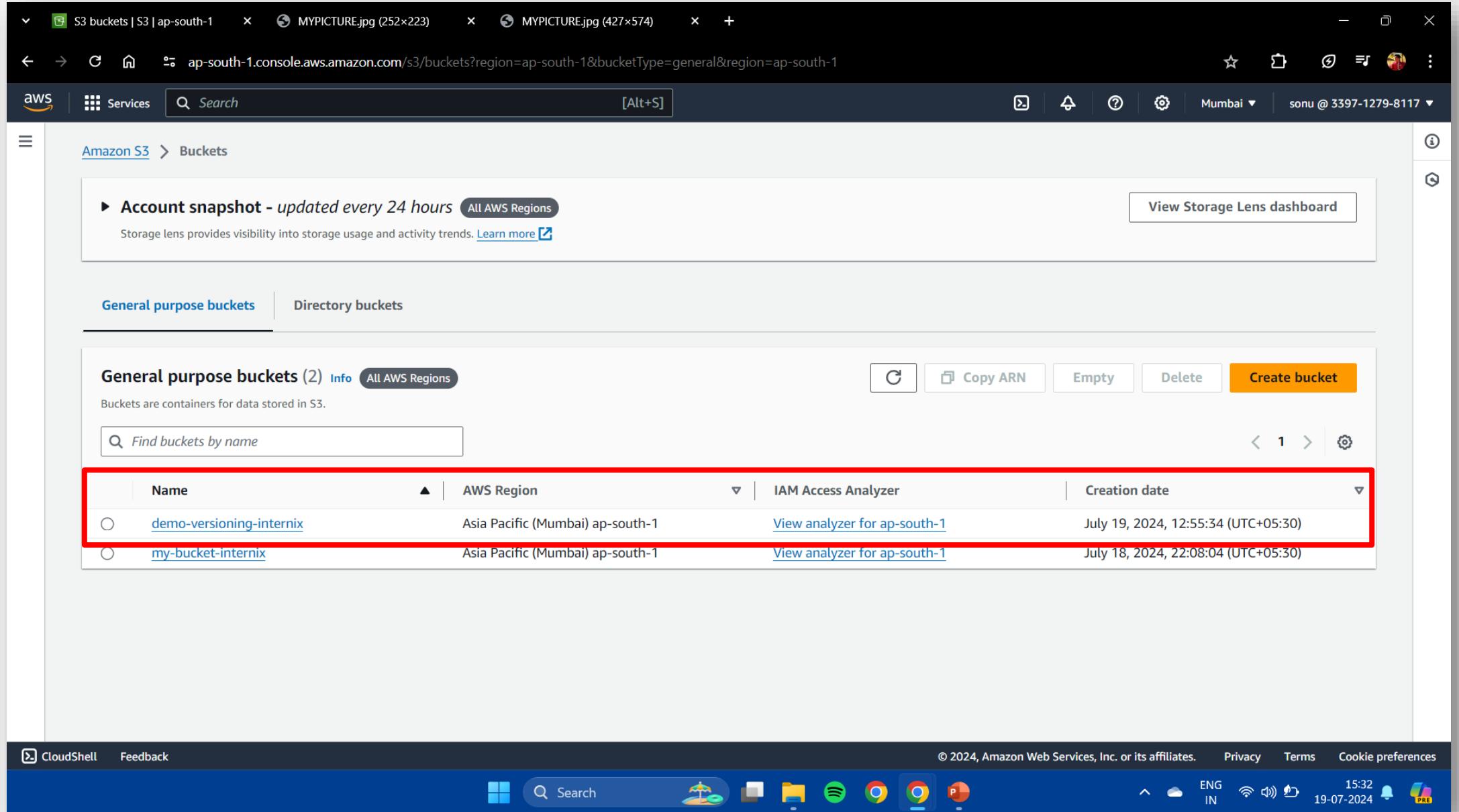
C Copy ARN Empty Delete Create bucket

< 1 > ⚙️

Name	AWS Region	IAM Access Analyzer	Creation date
<a href="#">demo-versioning-internix</a>	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	July 19, 2024, 12:55:34 (UTC+05:30)
<a href="#">my-bucket-internix</a>	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	July 18, 2024, 22:08:04 (UTC+05:30)

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ENG IN 15:32 19-07-2024 PRI



The screenshot shows the AWS S3 console interface. The top navigation bar has three tabs open: 'demo-versioning-internix - S3' (selected), 'MYPICTURE.jpg (252x223)', and 'MYPICTURE.jpg (427x574)'. The URL in the address bar is 'ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=objects'. The top right corner shows 'Mumbai' and the user 'sonu @ 3397-1279-8117'. The main navigation bar includes 'aws' logo, 'Services' (dropdown), 'Search' (input field with 'Alt+S' keyboard shortcut), and various icons for notifications and settings. Below this is a breadcrumb trail: 'Amazon S3 > Buckets > demo-versioning-internix'. The main content area is titled 'demo-versioning-internix' with an 'Info' link. A red box highlights the 'Management' tab in the top navigation bar, which is currently active. Below the tabs is a toolbar with buttons for 'Objects' (selected), 'Properties', 'Permissions', 'Metrics', 'Management' (highlighted), and 'Access Points'. The 'Objects' section displays one item: 'Objects (1) Info'. The object details are as follows:

Name		Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">MYPICTURE.jpg</a>	jpg	July 19, 2024, 13:15:12 (UTC+05:30)	16.6 KB	Standard

Below the toolbar, there is a note: '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](#)'.

demo-versioning-internix - S3   X   MYPICTURE.jpg (252x223)   X   MYPICTURE.jpg (427x574)   X   +

ap-south-1.console.aws.amazon.com/s3/buckets/demo-versioning-internix?region=ap-south-1&bucketType=general&tab=management

Services   Search   [Alt+S]

Mumbai   sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix

## demo-versioning-internix

Objects   Properties   Permissions   Metrics   Management   Access Points

### Lifecycle rules

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

Lifecycle rule name	Status	Scope	Current version acti...	Noncurrent version...	Expired object delet...	Incomplete multipa...
No lifecycle rules There are no lifecycle rules for this bucket.						

[Create lifecycle rule](#)

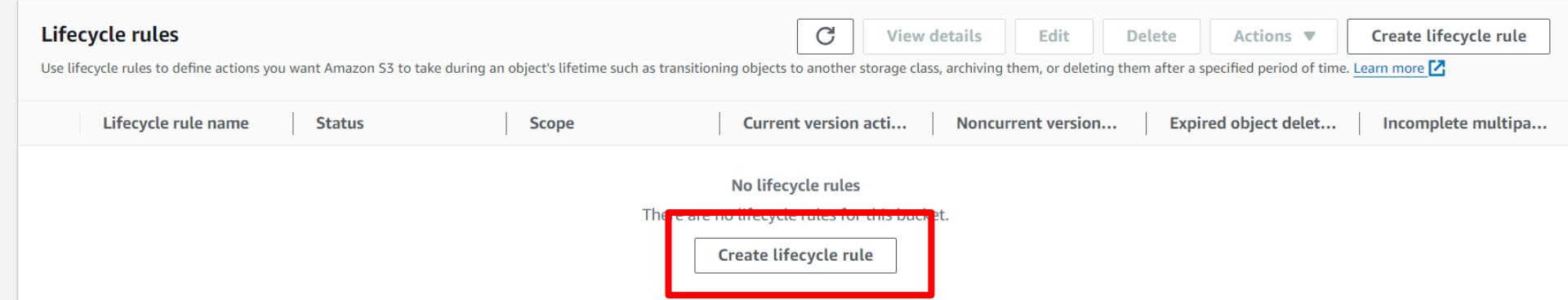
### Replication rules (0)

Use replication rules to define options you want Amazon S3 to apply during replication such as server-side encryption, replica ownership, transitioning replicas to another storage class, and more. [Learn more](#)

Replication	Destination	Destination	Storage	Replica	Replication	KMS-encrypted objects	Replica
< ... >							

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Create lifecycle rule - S3 bucket X MYPICTURE.jpg (252x223) X MYPICTURE.jpg (427x574) X +

← → C H ap-south-1.console.aws.amazon.com/s3/management/demo-versioning-internix/lifecycle/create?region=ap-south-1&bucketType=general

Services Search [Alt+S] Mumbai sonu @ 3397-1279-8117

Amazon S3 > Buckets > demo-versioning-internix > Lifecycle configuration > Create lifecycle rule

## Create lifecycle rule Info

### Lifecycle rule configuration

Lifecycle rule name  
  
Up to 255 characters

Choose a rule scope  
 Limit the scope of this rule using one or more filters  
 Apply to all objects in the bucket

Filter type  
You can filter objects by prefix, object tags, object size, or whatever combination suits your usecase.

Prefix  
Add filter to limit the scope of this rule to a single prefix.  
  
Don't include the bucket name in the prefix. Using certain characters in key names can cause problems with some applications and protocols. [Learn more](#)

Object tags  
You can limit the scope of this rule to the key/value pairs added below.

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Amazon S3 > Buckets > demo-versioning-internix > Lifecycle configuration > Create lifecycle rule

## Create lifecycle rule Info

### Lifecycle rule configuration

Lifecycle rule name  Up to 255 characters

Choose a rule scope  Apply to all objects in the bucket

**⚠️ Apply to all objects in the bucket**  
If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose "Limit the scope of this rule using one or more filters". [Learn more](#)

I acknowledge that this rule will apply to all objects in the bucket.

**Lifecycle rule actions**  
Choose the actions you want this rule to perform. Per-request fees apply. [Learn more](#) or see [Amazon S3 pricing](#)

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Create lifecycle rule - S3 bucket X MYPICTURE.jpg (252x223) X MYPICTURE.jpg (427x574) X +

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I acknowledge that this rule will apply to all objects in the bucket.

**Lifecycle rule actions**

Choose the actions you want this rule to perform. Per-request fees apply. [Learn more](#) or see [Amazon S3 pricing](#)

Move current versions of objects between storage classes  
 Move noncurrent versions of objects between storage classes  
 Expire current versions of objects  
 Permanently delete noncurrent versions of objects  
 Delete expired object delete markers or incomplete multipart uploads

These actions are not supported when filtering by object tags or object size.

**Transition noncurrent versions of objects between storage classes**

Choose transitions to move noncurrent versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects become noncurrent and are consecutively applied. [Learn more](#)

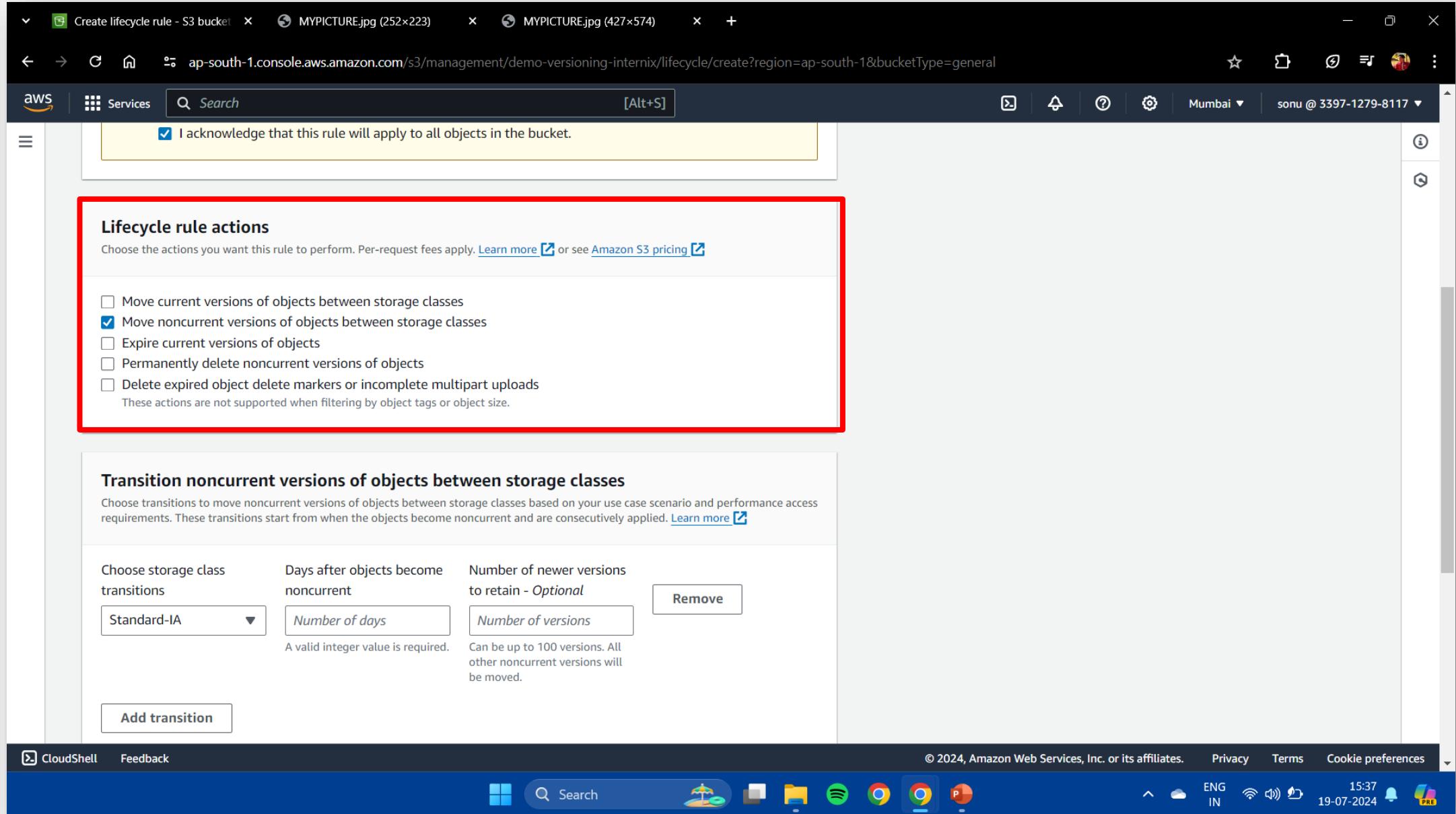
Choose storage class transitions: Standard-IA ▾ Days after objects become noncurrent: Number of days ▾ Number of newer versions to retain - Optional: Number of versions ▾ Remove

A valid integer value is required.

Can be up to 100 versions. All other noncurrent versions will be moved.

Add transition

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Choose storage class transitions Days after objects become noncurrent Number of newer versions to retain - *Optional*

Standard-IA 30 Number of versions Remove

Intelligent-Tiering 90 Number of versions Remove

Standard-IA Infrequently accessed data (once a month) with milliseconds access 30 days minimum storage duration

Intelligent-Tiering Data with changing or unknown access patterns No minimum storage duration Intelligent-Tiering

One Zone-IA Recreational, infrequently accessed data (once a month) stored in a single Availability Zone with milliseconds access 30 days minimum storage duration

Glacier Instant Retrieval Long-lived archive data accessed once a quarter with instant retrieval in milliseconds 90 days minimum storage duration

Glacier Flexible Retrieval (formerly Glacier) Long-lived archive data accessed once a year with retrieval of minutes to hours 90 days minimum storage duration

Glacier Deep Archive Long-lived archive data accessed less than once a year with retrieval of hours 180 days minimum storage duration

0 newest noncurrent versions are retained

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Screenshot copied to clipboard and saved Select here to mark up and share.

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### Transition noncurrent versions of objects between storage classes

Choose transitions to move noncurrent versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects become noncurrent and are consecutively applied. [Learn more](#)

Choose storage class transitions	Days after objects become noncurrent	Number of newer versions to retain - <i>Optional</i>	Action
Standard-IA	30	Number of versions	Remove
Intelligent-Tiering	90	Number of versions	Remove
Glacier Deep Archive	150	Number of versions	Remove

Can be up to 100 versions. All other noncurrent versions will be moved.

Can be up to 100 versions. All other noncurrent versions will be moved.

Can be up to 100 versions. All other noncurrent versions will be moved.

Add transition

**⚠️ Transitioning small objects to Glacier Flexible Retrieval (formerly Glacier) or Glacier Deep Archive will incur a per object cost**

You will be charged for each object you transition to S3 Glacier Flexible Retrieval (formerly Glacier) or S3 Glacier Deep Archive. A fixed amount of storage is also added to each object to accommodate metadata for managing the object which increases storage costs. You can reduce these costs by limiting the number

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Glacier Deep Archive ▾ 150 Number of versions Remove

Can be up to 100 versions. All other noncurrent versions will be moved.

Add transition

**⚠ Transitioning small objects to Glacier Flexible Retrieval (formerly Glacier) or Glacier Deep Archive will incur a per object cost**

You will be charged for each object you transition to S3 Glacier Flexible Retrieval (formerly Glacier) or S3 Glacier Deep Archive. A fixed amount of storage is also added to each object to accommodate metadata for managing the object which increases storage costs. You can reduce these costs by limiting the number of objects to transition (by prefix, tag, or version), or by aggregating objects before transitioning them.

Learn more about [Glacier Flexible Retrieval \(formerly Glacier\) cost considerations](#) or review the table on Requests and data retrievals tab on the [Amazon S3 pricing page](#).

I acknowledge that this lifecycle rule will incur a one-time lifecycle request cost per object if it transitions small objects.

**Review transition and expiration actions**

Current version actions	Noncurrent versions actions
Day 0	Day 0

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### Review transition and expiration actions

<p><b>Current version actions</b></p> <p>Day 0 No actions defined.</p>	<p><b>Noncurrent versions actions</b></p> <p>Day 0<ul style="list-style-type: none"><li>Objects become noncurrent</li></ul></p> <p>↓</p> <p>Day 30<ul style="list-style-type: none"><li>0 newest noncurrent versions are retained</li><li>All other noncurrent versions move to Standard-IA</li></ul></p> <p>↓</p> <p>Day 90<ul style="list-style-type: none"><li>0 newest noncurrent versions are retained</li><li>All other noncurrent versions move to Intelligent-Tiering</li></ul></p> <p>↓</p> <p>Day 150<ul style="list-style-type: none"><li>0 newest noncurrent versions are retained</li><li>All other noncurrent versions move to Glacier Deep Archive</li></ul></p>
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Day 0  
No actions defined.

Day 0  
• Objects become noncurrent

↓

Day 30  
• 0 newest noncurrent versions are retained  
• All other noncurrent versions move to Standard-IA

↓

Day 90  
• 0 newest noncurrent versions are retained  
• All other noncurrent versions move to Intelligent-Tiering

↓

Day 150  
• 0 newest noncurrent versions are retained  
• All other noncurrent versions move to Glacier Deep Archive

Create rule

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Lifecycle configuration list - S3 | X MYPICTURE.jpg (252x223) X MYPICTURE.jpg (427x574) X +

← → C ⌂ ⌂ ap-south-1.console.aws.amazon.com/s3/management/demo-versioning-internix/lifecycle?region=ap-south-1&bucketType=general

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The lifecycle configuration was updated. Lifecycle rule "demo-lifecycle-internix" was successfully added.  
It may take some time for the configuration to be updated. Press the refresh button if changes to the rule are not displayed.

Amazon S3 > Buckets > demo-versioning-internix > Lifecycle configuration

## Lifecycle configuration Info

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

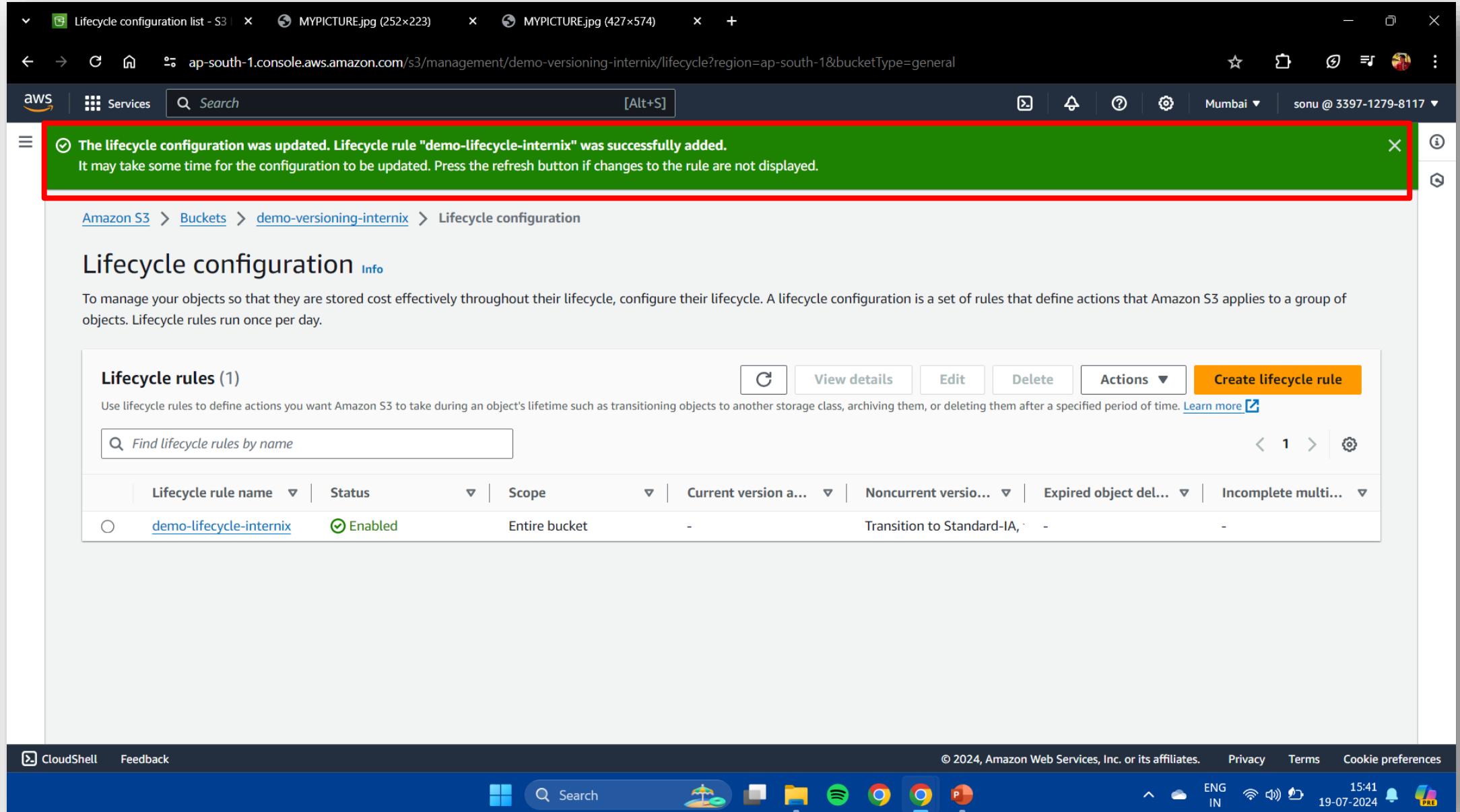
### Lifecycle rules (1)

View details Edit Delete Actions ▾ Create lifecycle rule

Find lifecycle rules by name

Lifecycle rule name	Status	Scope	Current version a...	Noncurrent versio...	Expired object del...	Incomplete multi...
<a href="#">demo-lifecycle-internix</a>	<span>Enabled</span>	Entire bucket	-	Transition to Standard-IA	-	-

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Lifecycle configuration list - S3 | X MYPICTURE.jpg (252x223) X MYPICTURE.jpg (427x574) X +

ap-south-1.console.aws.amazon.com/s3/management/demo-versioning-internix/lifecycle?region=ap-south-1&bucketType=general

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Amazon S3 > Buckets > demo-versioning-internix > Lifecycle configuration

## Lifecycle configuration Info

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

Lifecycle rules (1)		C	View details	Edit	Delete	Actions ▾	Create lifecycle rule
Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. <a href="#">Learn more</a>							
Find lifecycle rules by name		< 1 >	⚙️				
Lifecycle rule name	Status	Scope	Current version a...	Noncurrent versio...	Expired object del...	Incomplete multi...	
demo-lifecycle-internix	Enabled	Entire bucket	-	Transition to Standard-IA	-	-	

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The screenshot shows the AWS S3 Lifecycle Configuration page. It displays a table of lifecycle rules. The first rule, 'demo-lifecycle-internix', is highlighted with a red box around its 'Noncurrent versio...' column. The column contains the action 'Transition to Standard-IA'. The table has columns for Lifecycle rule name, Status, Scope, Current version a..., Noncurrent versio..., Expired object del..., and Incomplete multi... . The status is 'Enabled' and the scope is 'Entire bucket'. The current version action is '-'.