NAME	Kavya R
ROLL NO	20BIS020
SUBJECT CODE-SUBJECT	ODD 22-23-U18ISE0006-CLOUD ARCHITECTURE AND COMPUTING

LAB-3 : Static Website Hosting

Aim:

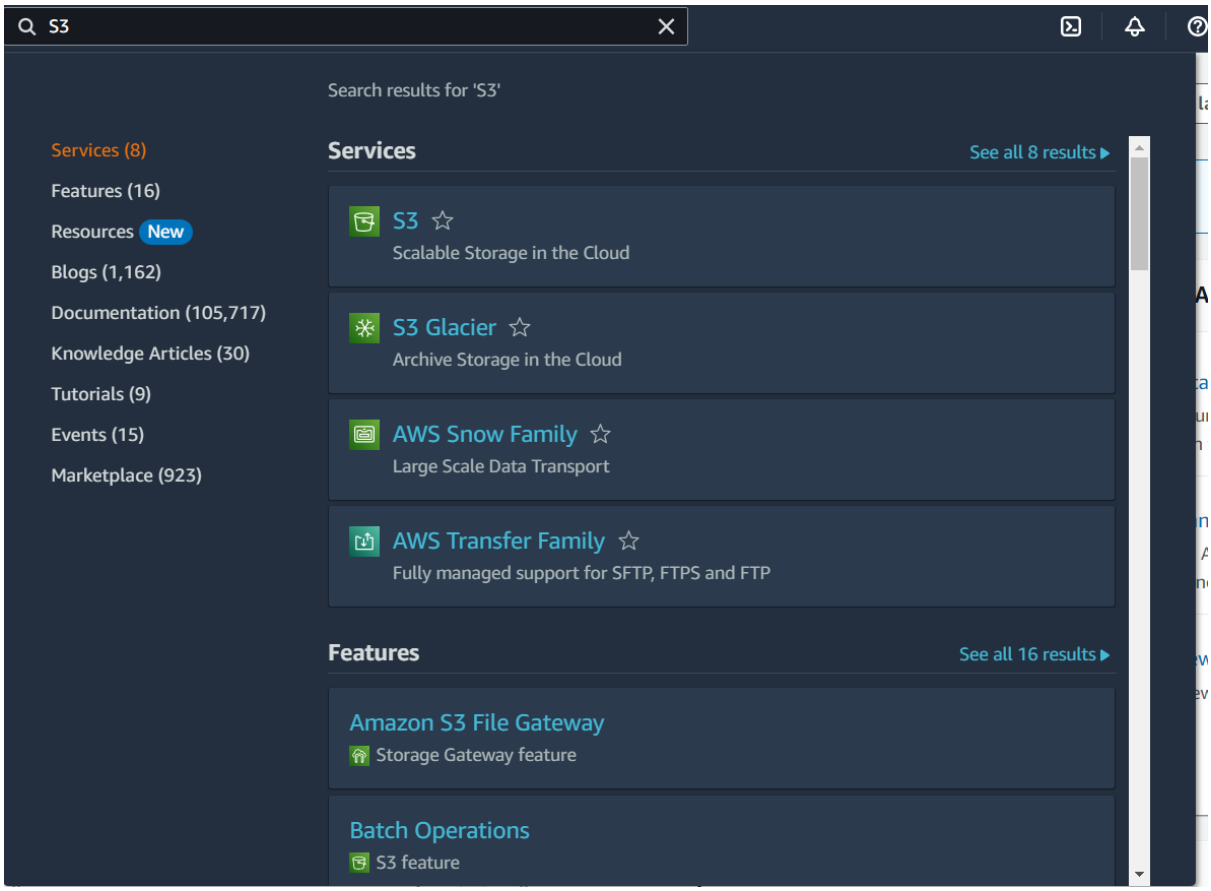
Exploring the use of S3 service in amazon.

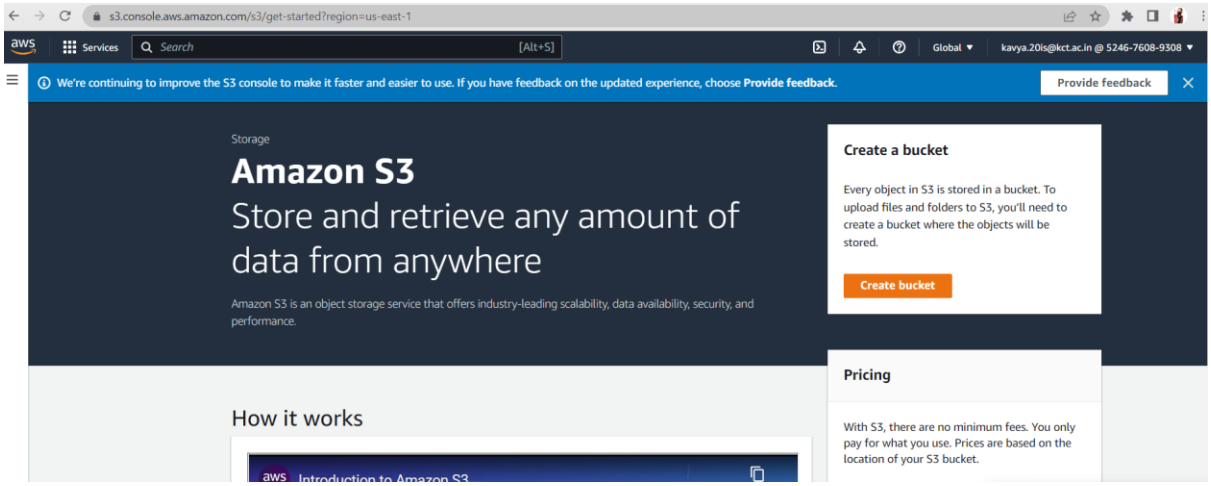
Required AWS services:

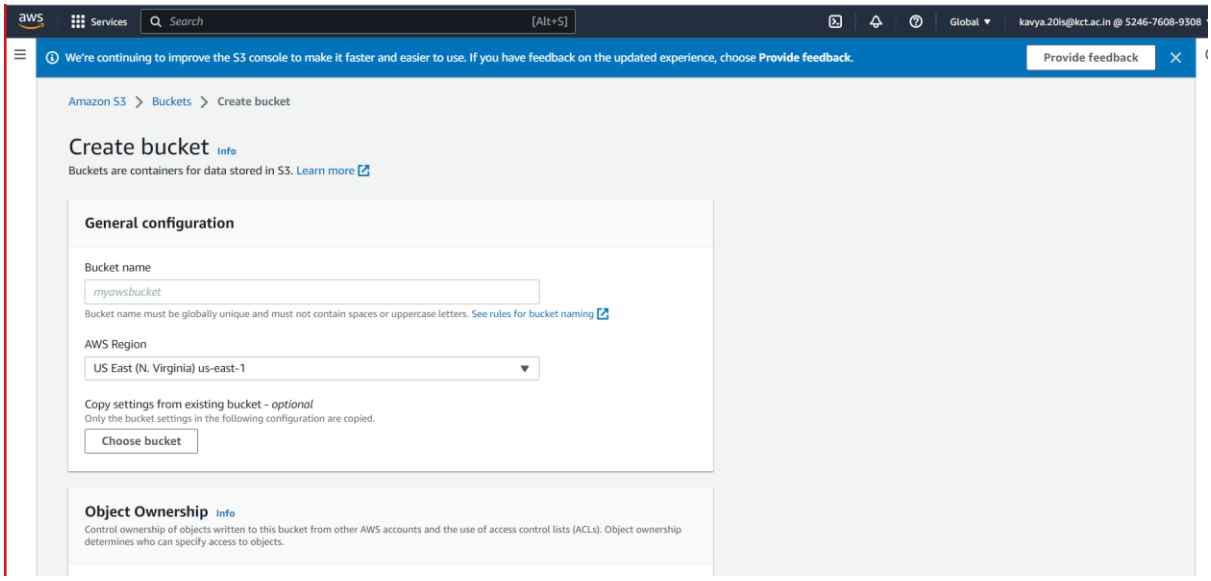
S3

Procedure :

1. Click create bucket in s3




s3.console.aws.amazon.com/s3/get-started?region=us-east-1
aws
Services
Search
[Alt+S]
Global
kavya.20is@kct.ac.in @ 5246-7608-9308
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Storage
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.
How it works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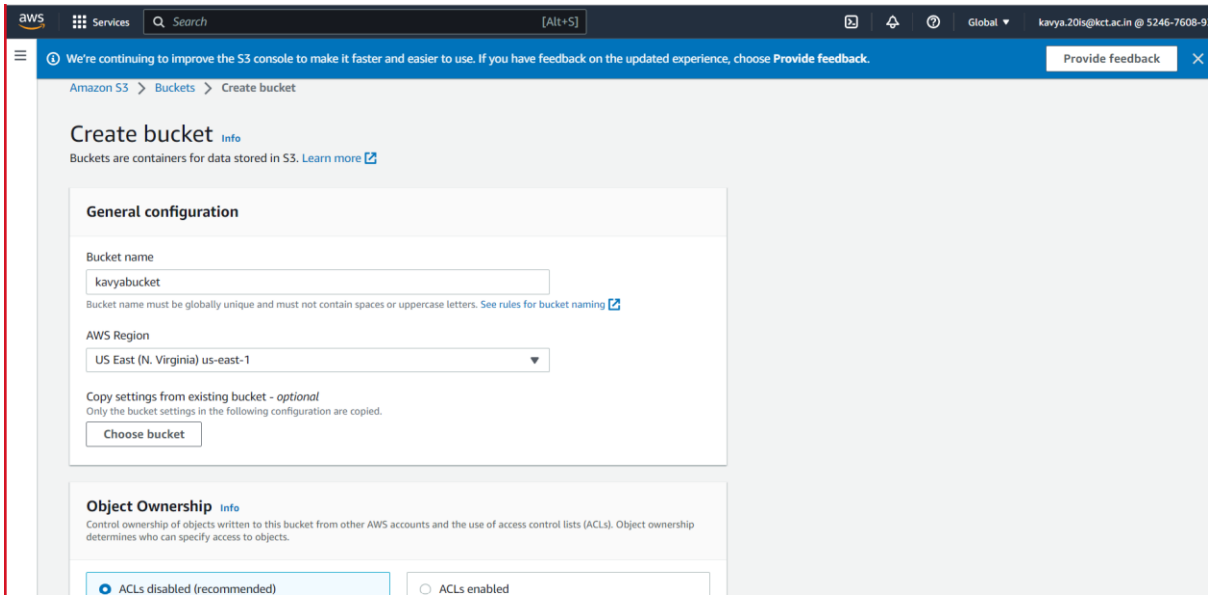
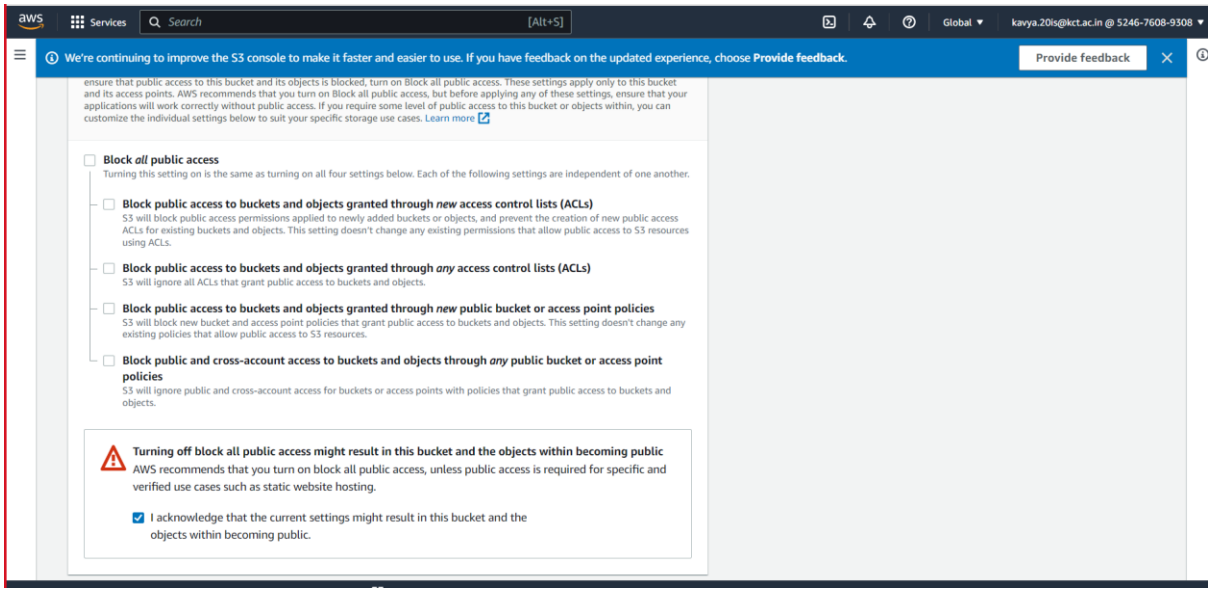
Provide feedback
Amazon S3 > Buckets > Create bucket
Create bucket Info
Buckets are containers for data stored in S3. Learn more
General configuration
Bucket name
myawsbucket
Bucket name must be globally unique and must not contain spaces or uppercase letters. See rules for bucket naming
AWS Region
US East (N. Virginia) us-east-1
Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
Choose bucket
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.

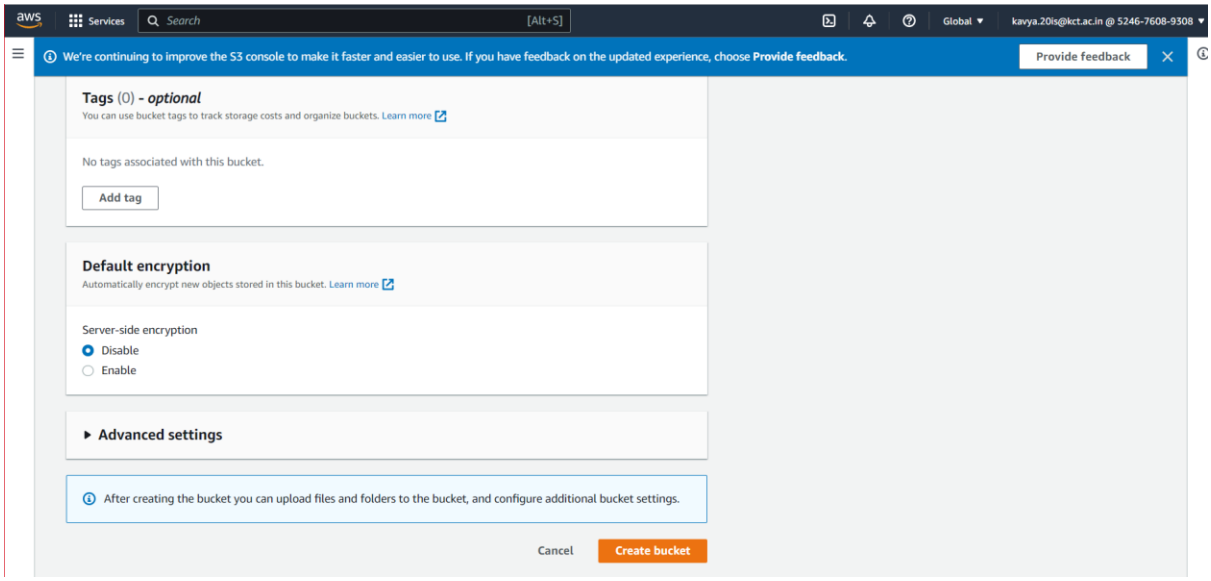
2. Provide a name



3. Uncheck “Block all public access”

Click create bucket

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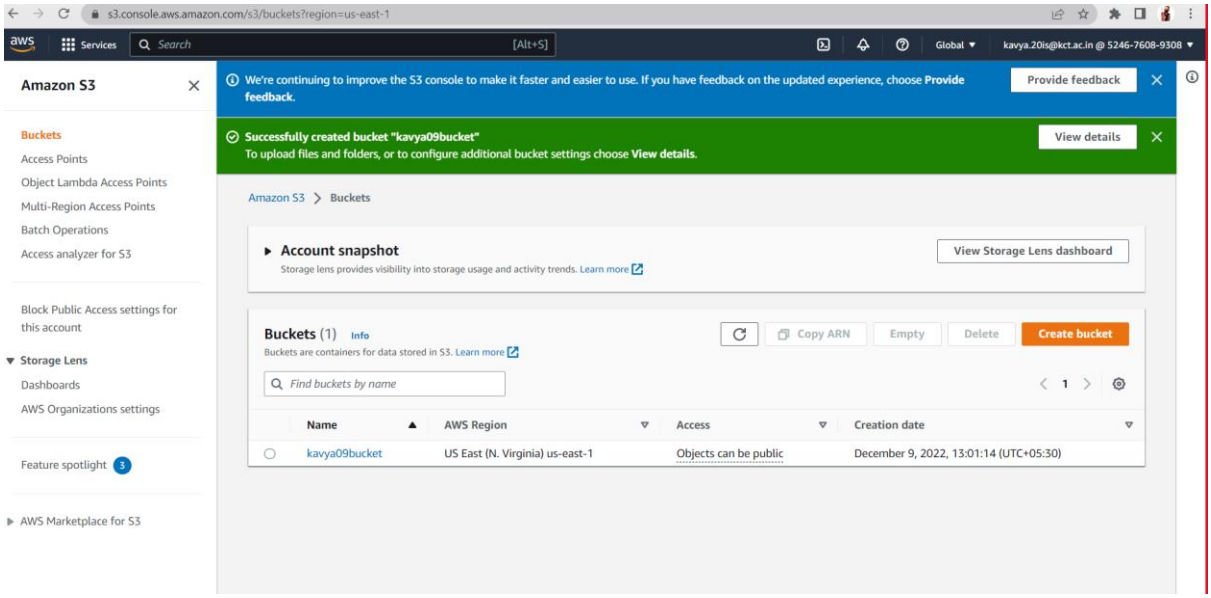
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Tags (0) - optional
You can use bucket tags to track storage costs and organize buckets. Learn more
No tags associated with this bucket.
Add tag
Default encryption
Automatically encrypt new objects stored in this bucket. Learn more
Server-side encryption
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


s3.console.aws.amazon.com/s3/buckets?region=us-east-1
Services
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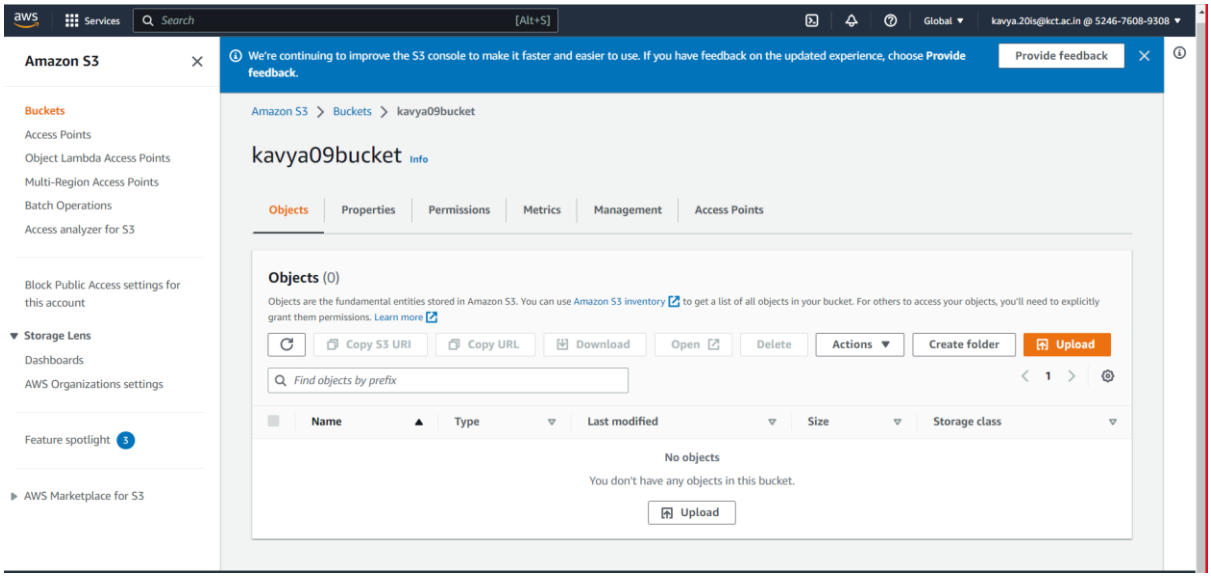
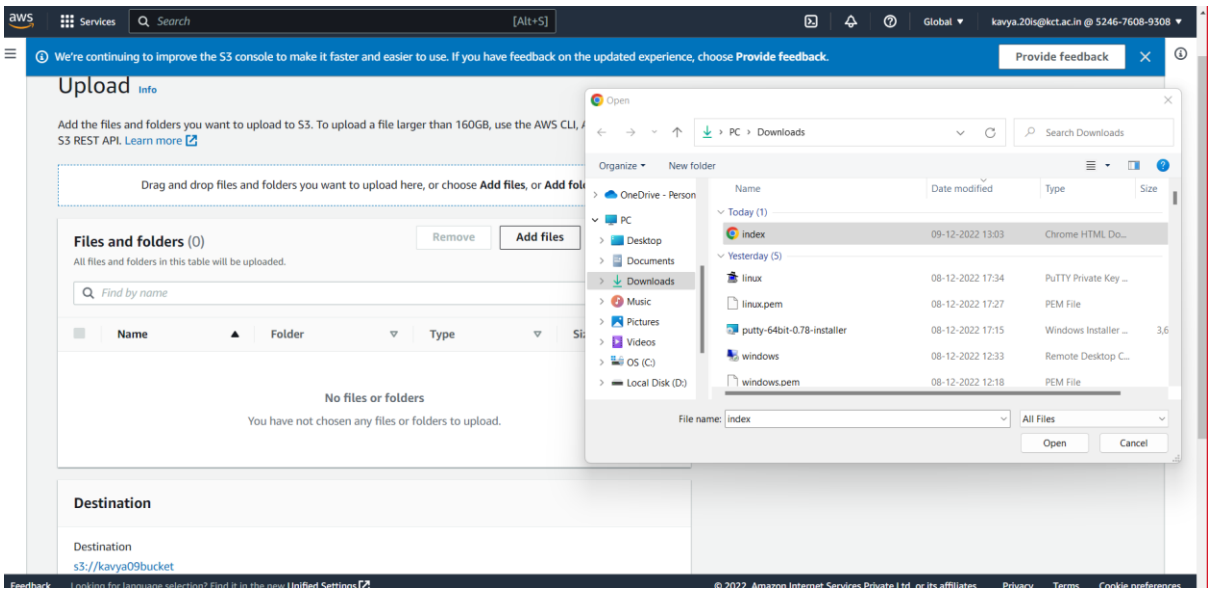
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Successfully created bucket "kavya09bucket"
To upload files and folders, or to configure additional bucket settings choose View details.
View details
Amazon S3 > Buckets
Account snapshot
Storage lens provides visibility into storage usage and activity trends. Learn more
View Storage Lens dashboard
Buckets (1) Info
Buckets are containers for data stored in S3. Learn more
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
Access
Creation date
kavya09bucket
US East (N. Virginia) us-east-1
Objects can be public
December 9, 2022, 13:01:14 (UTC+05:30)

4. Select the bucket and click to open

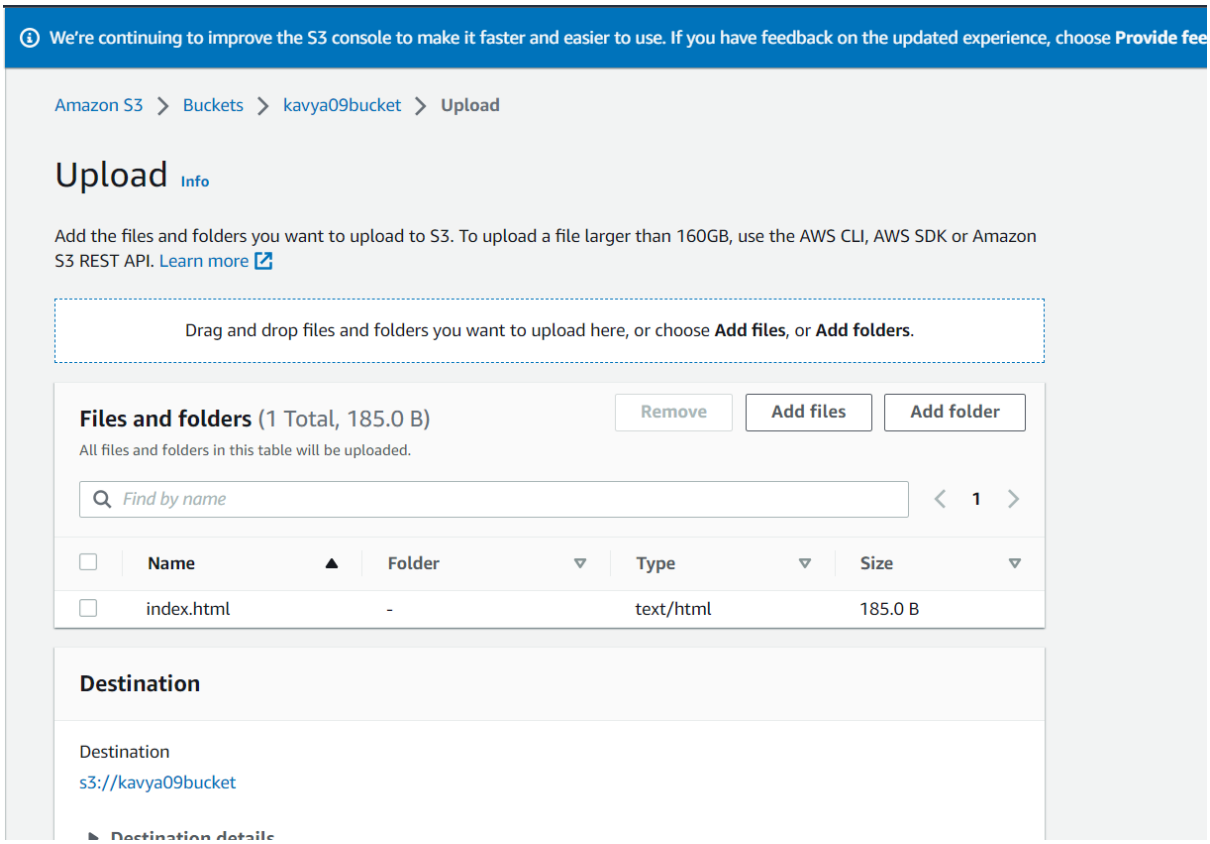


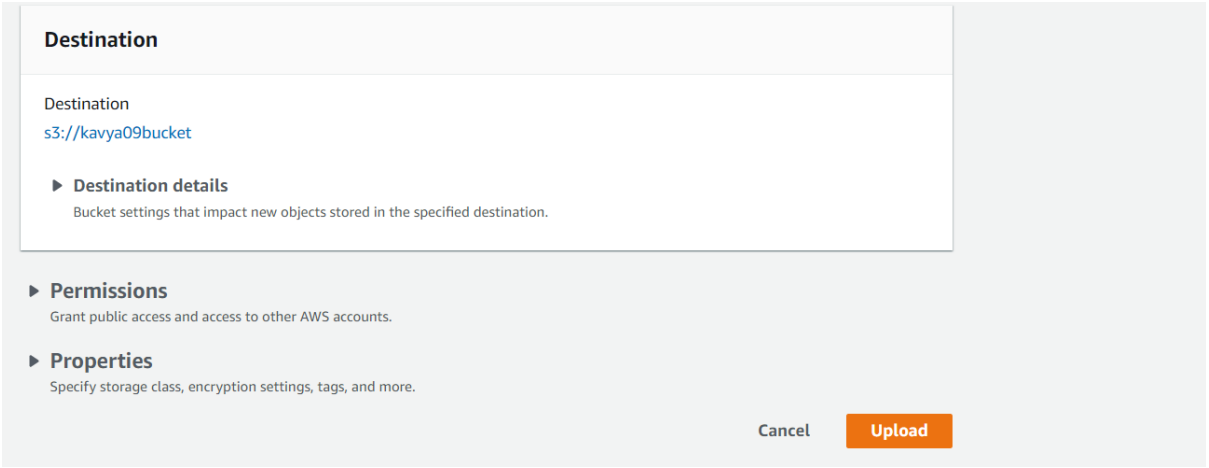
5. To upload a website content

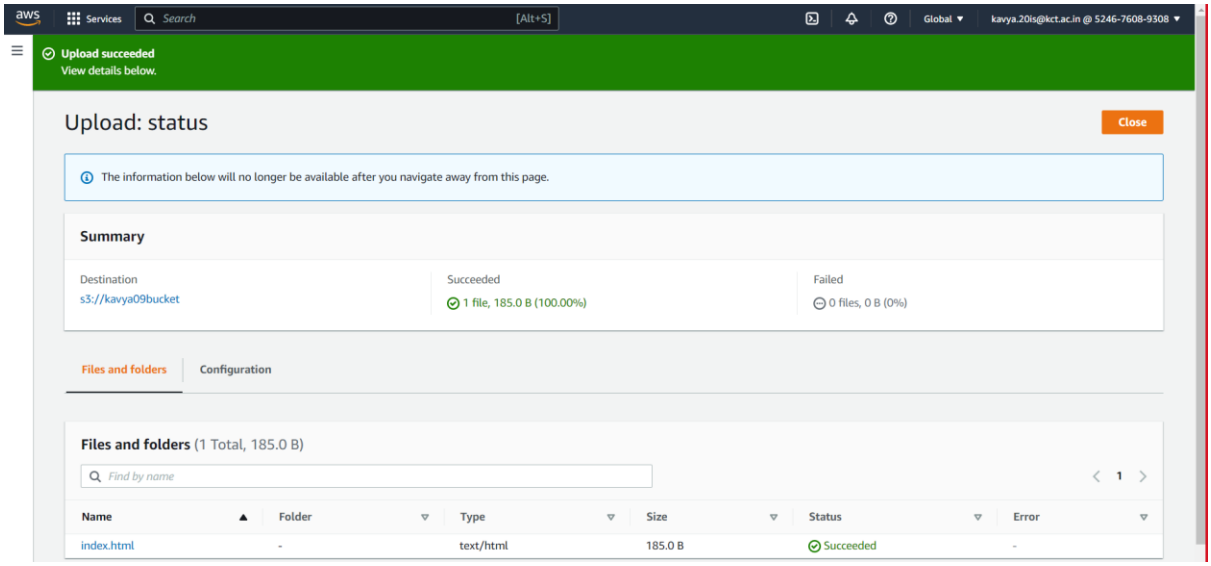
A simple html file is created and stored in the desktop in the name “index.html”



6. Click upload - Click add file- Chose index.html -Click upload - close



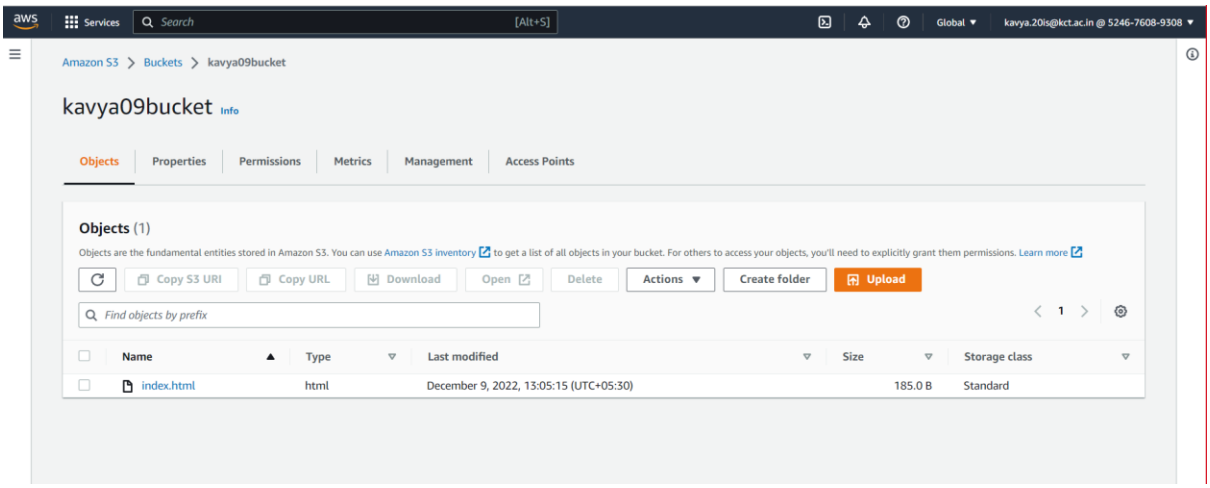


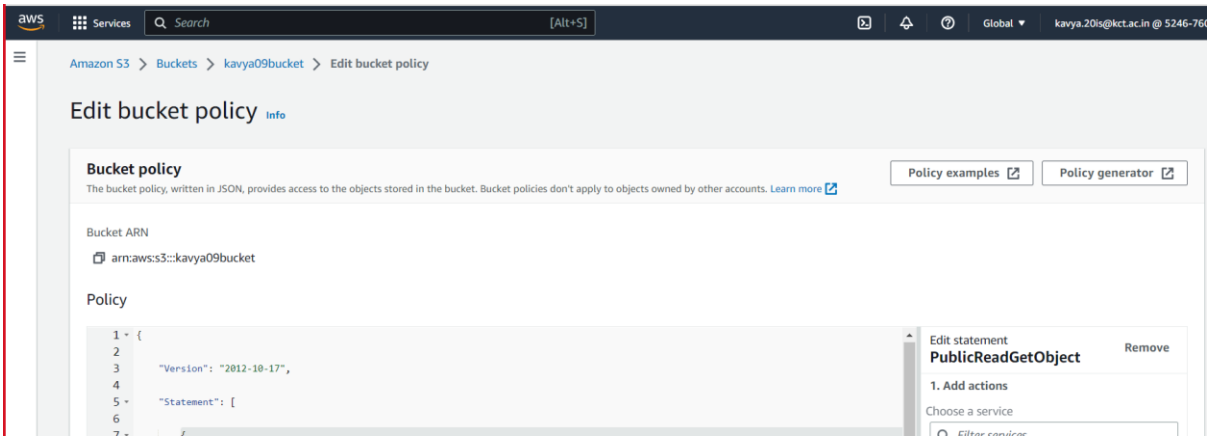


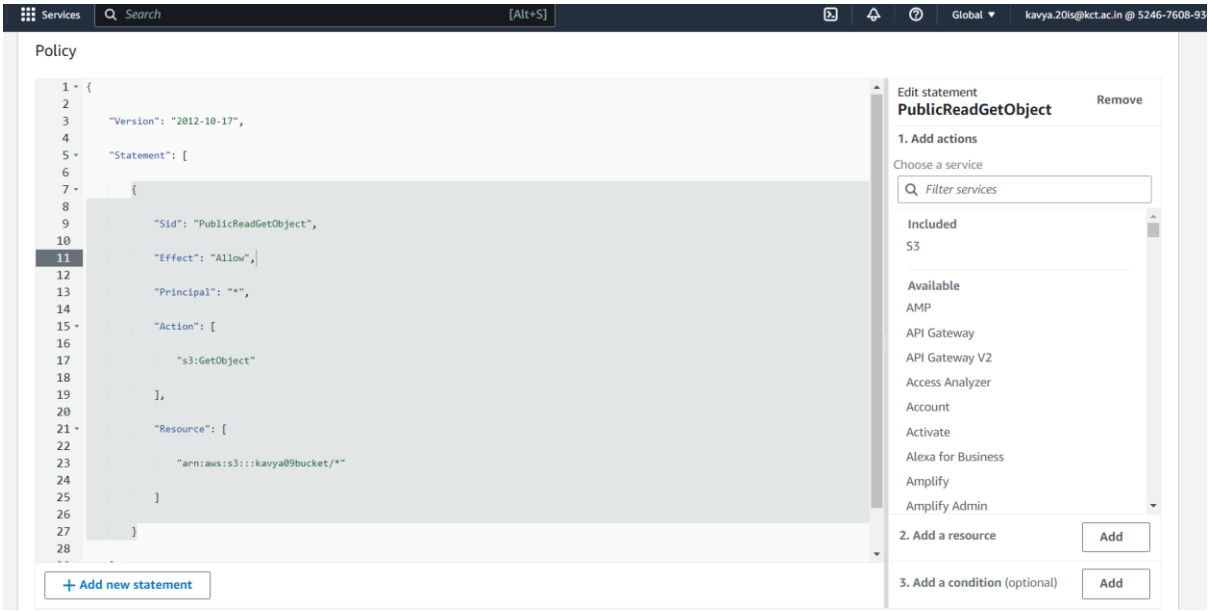
7. Click “permissions” - Enter the policy - Click edit

Replace the old one with the following code

```
{
"Version": "2012-10-17",
"Statement": [
{
"Sid": "PublicReadGetObject",
"Effect": "Allow",
"Principal": "*",
"Action": [
"s3:GetObject"
],
"Resource": [
"arn:aws:s3:::Bucket-Name/*"
]
}
]
}
```

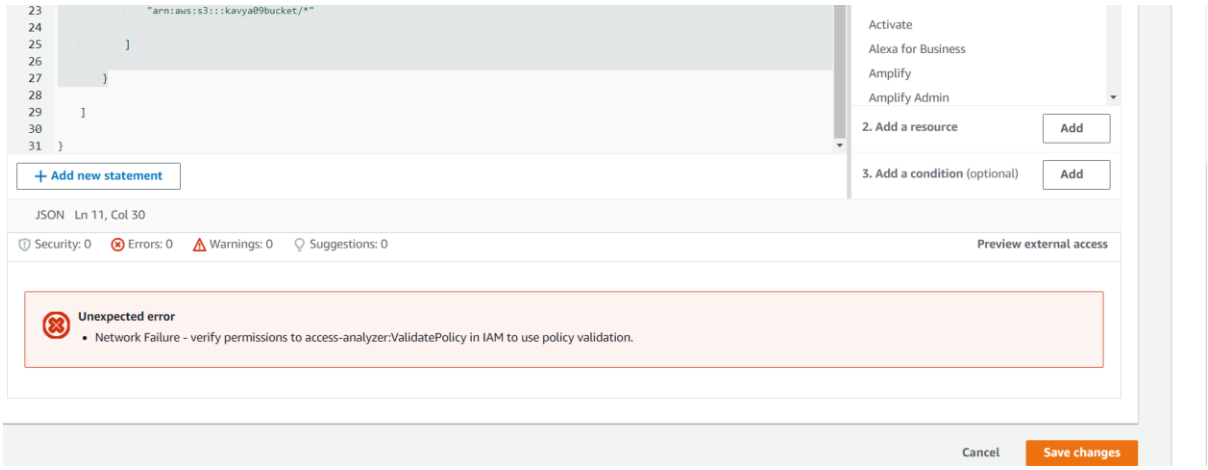

Services
Search
[Alt+S]
Global
kavya.20is@kct.ac.in @ 5246-7608-9308
Amazon S3 > Buckets > kavya09bucket
kavya09bucket Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Objects (1)
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
Find objects by prefix
Name
Type
Last modified
Size
Storage class
index.html
html
December 9, 2022, 13:05:15 (UTC+05:30)
185.0 B
Standard


Services
Search
[Alt+S]
Global
Amazon S3 > Buckets > kavya09bucket > 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
arn:aws:s3:::kavya09bucket
Policy
{
"Version": "2012-10-17",
"Statement": [
Edit statement
PublicReadGetObject
Remove
1. Add actions
Choose a service

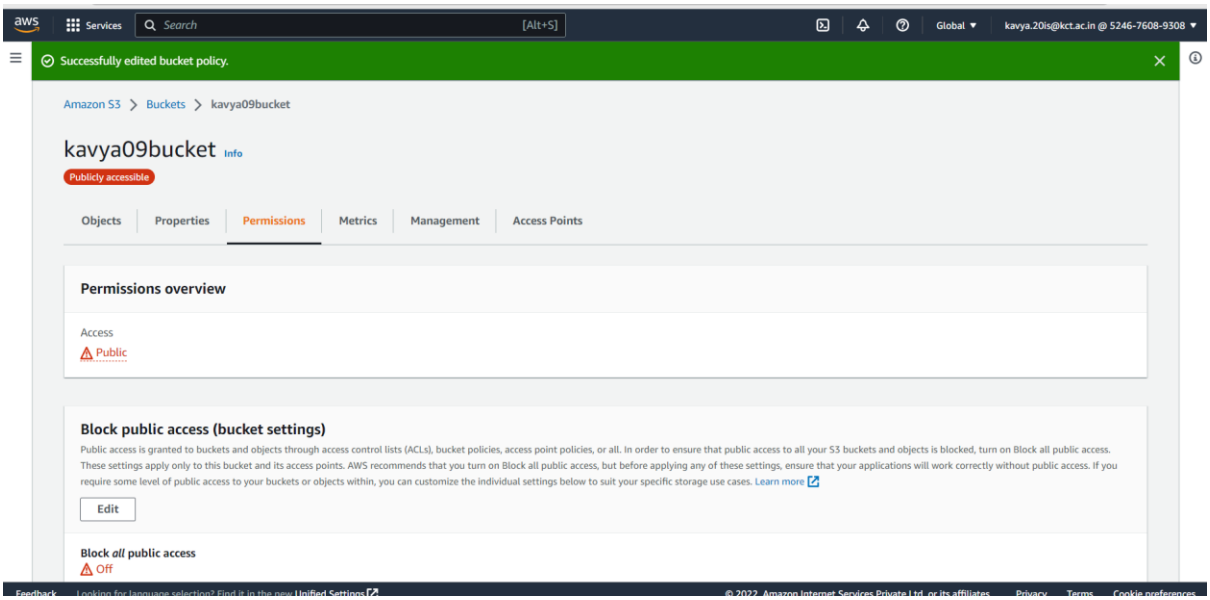

Services
Search
[Alt+S]
Global
Policy
{
"Version": "2012-10-17",
"Statement": [
{
"Sid": "PublicReadGetObject",
"Effect": "Allow",
"Principal": "*",
"Action": [
"s3:GetObject"
],
"Resource": [
"arn:aws:s3:::kavya09bucket/*"
]
}
Edit statement
PublicReadGetObject
Remove
1. Add actions
Choose a service
Filter services
Included
S3
Available
AMP
API Gateway
API Gateway V2
Access Analyzer
Account
Activate
Alexa for Business
Amplify
Amplify Admin
2. Add a resource
Add
3. Add a condition (optional)
Add
+ Add new statement

8. Note : in the above code bucket – name has to be given correctly

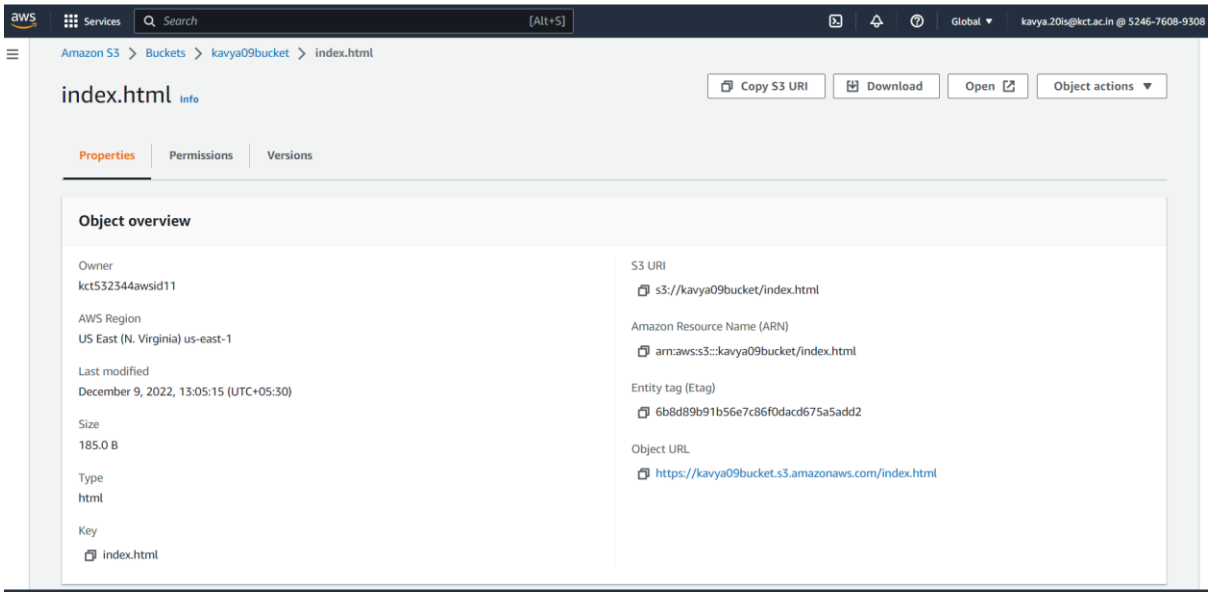
Click “save changes”

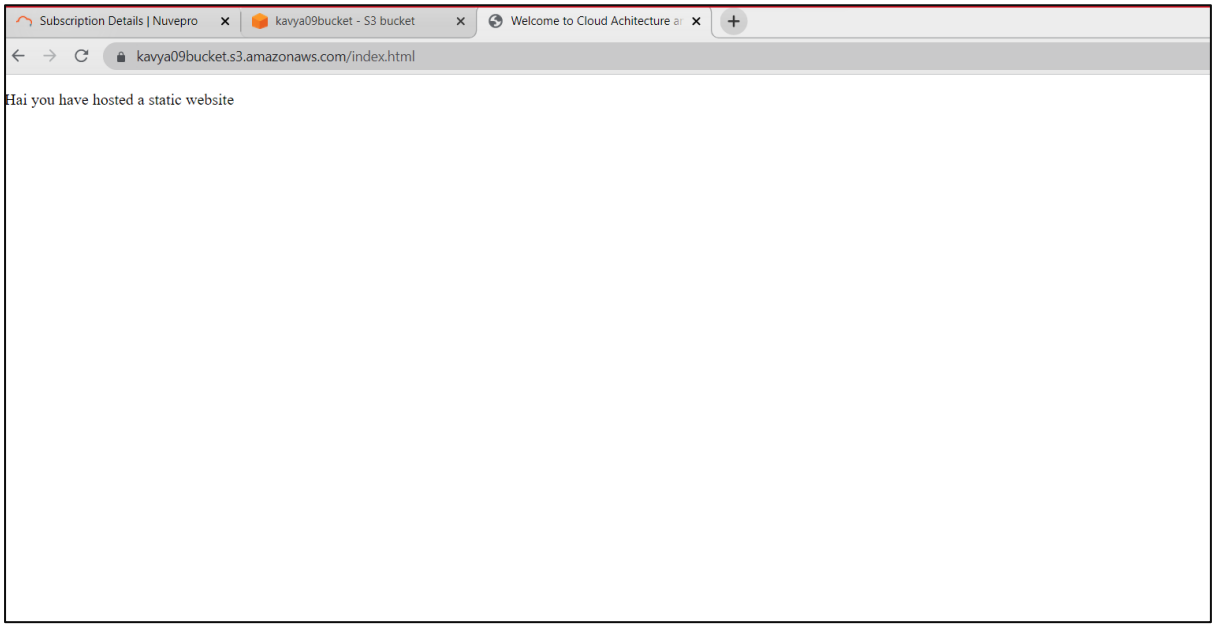


9. Click “Objects” - Select and click bucket

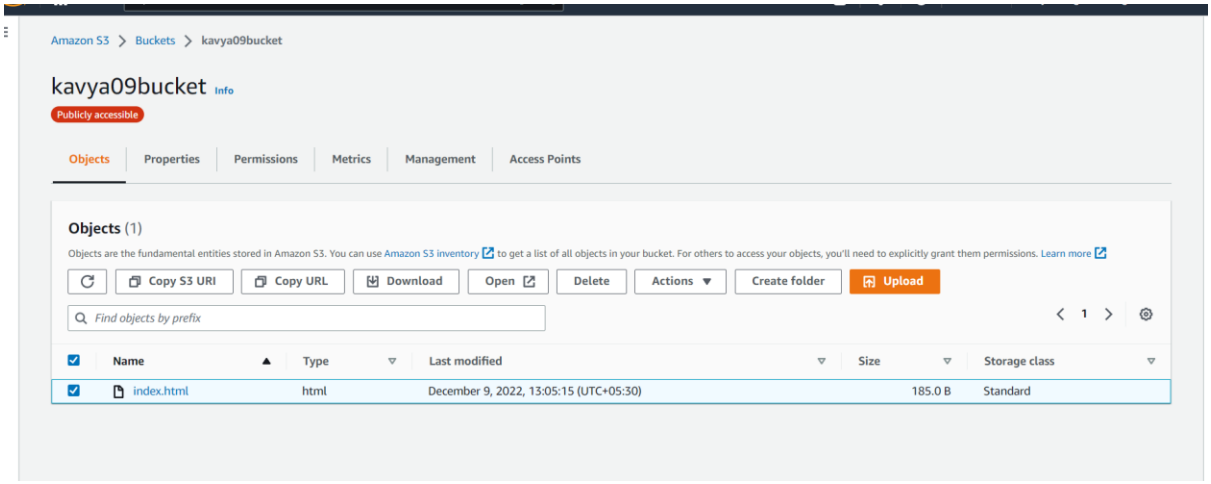


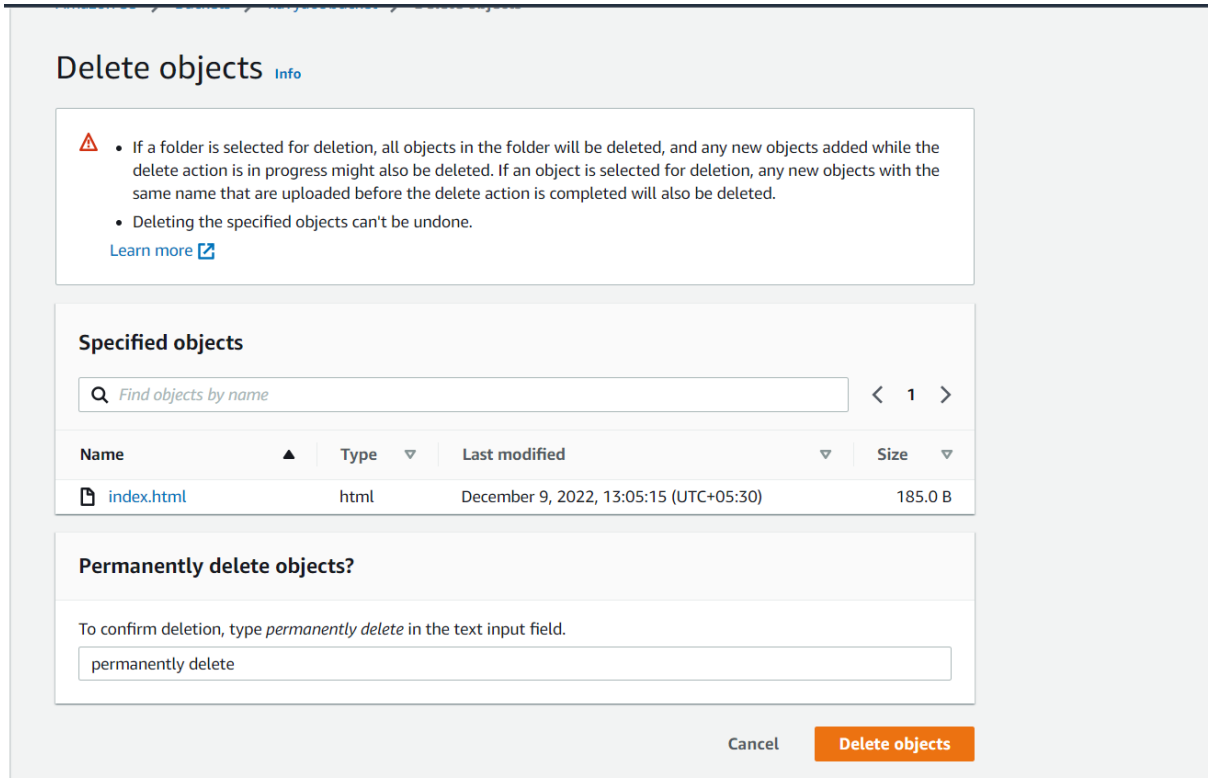
10. You can see object URL, Copy and paste it in a new tab or click it.

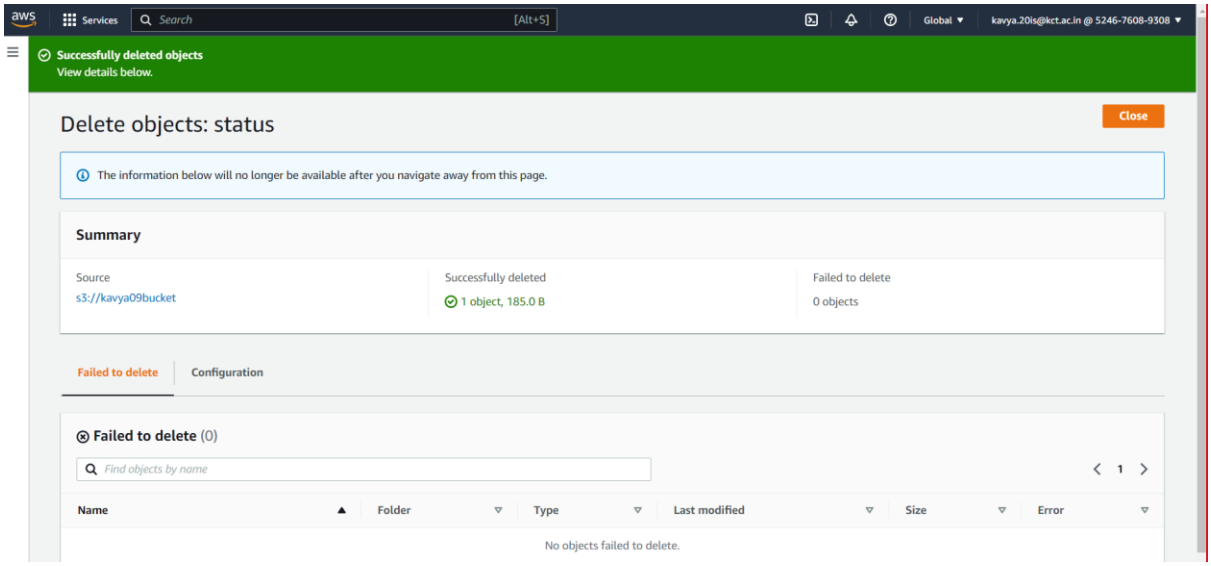


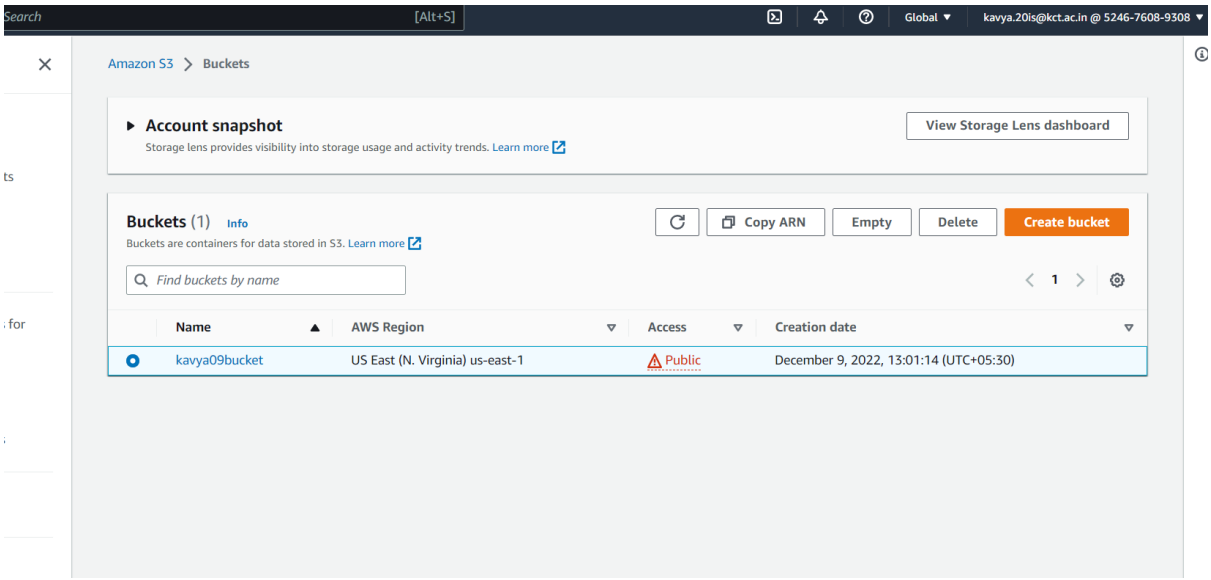


TERMINATION:






Services
Search
[Alt+S]
Global
kavya.20is@kct.ac.in @ 5246-7608-9308
Successfully deleted objects
View details below.
Delete objects: status
Close
The information below will no longer be available after you navigate away from this page.
Summary
Source
s3://kavya09bucket
Successfully deleted
1 object, 185.0 B
Failed to delete
0 objects
Failed to delete
Configuration
Failed to delete (0)
Find objects by name
Name
Folder
Type
Last modified
Size
Error
No objects failed to delete.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US East (N. Virginia) us-east-1
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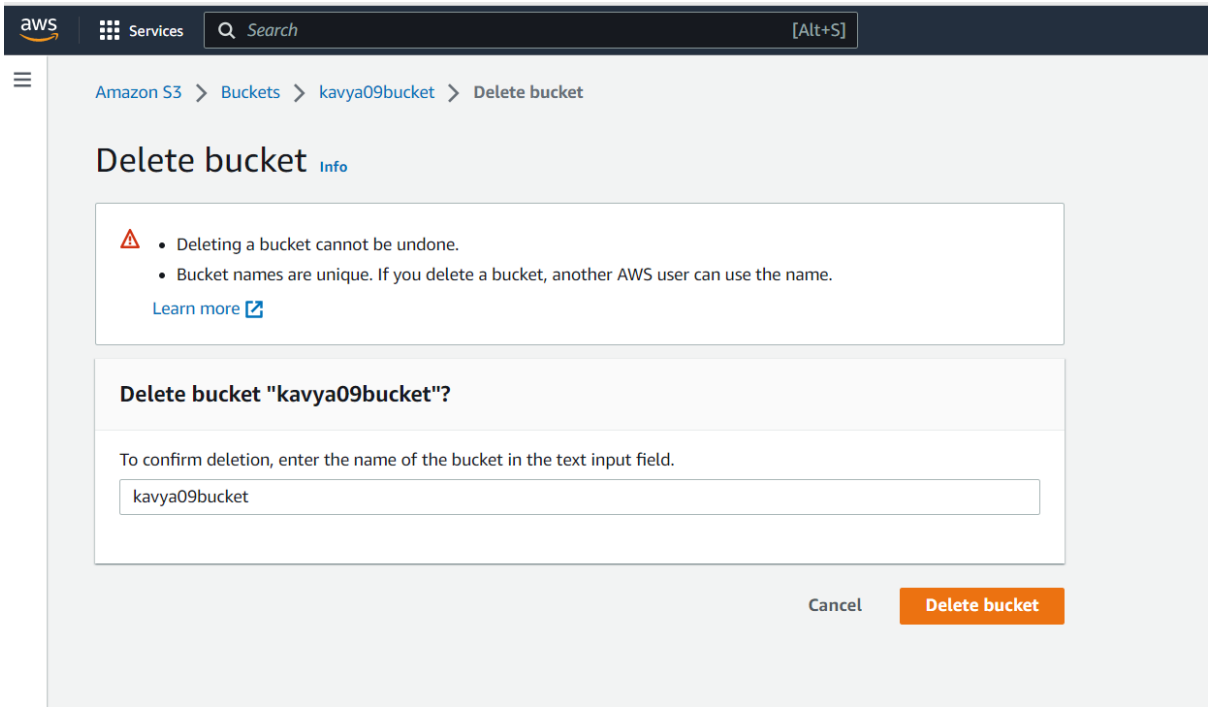
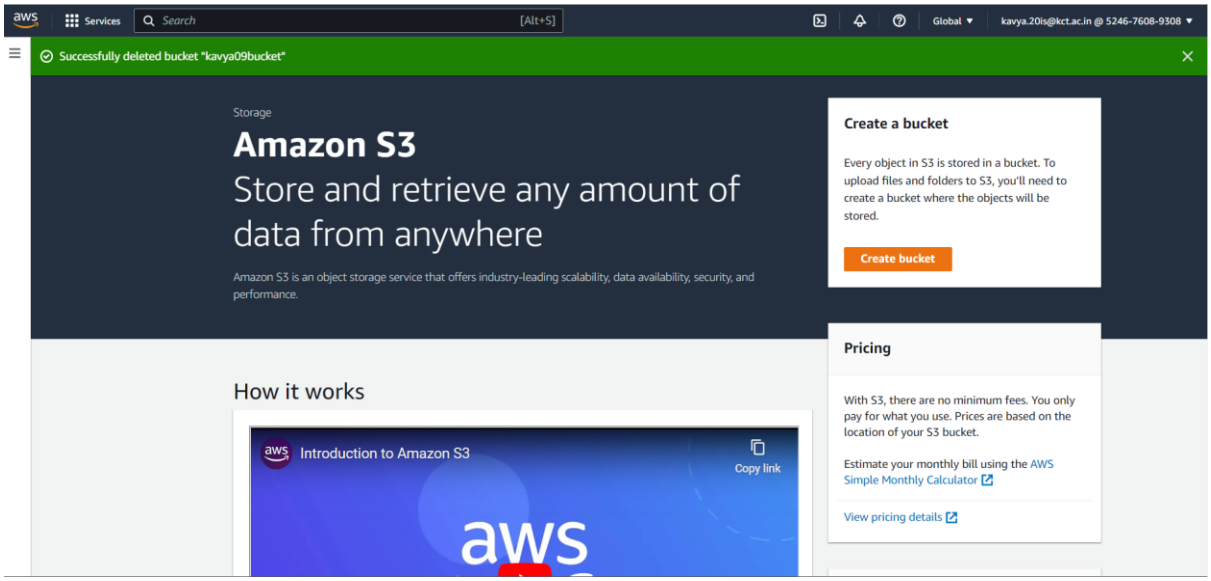
December 9, 2022, 13:01:14 (UTC+05:30)


aws
Services
Search
[Alt+S]
Amazon S3 > Buckets > kavya09bucket > Delete bucket
Delete bucket Info
Deleting a bucket cannot be undone.
Bucket names are unique. If you delete a bucket, another AWS user can use the name.
Learn more
Delete bucket "kavya09bucket"?
To confirm deletion, enter the name of the bucket in the text input field.
kavya09bucket
Cancel
Delete bucket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Estimate your monthly bill using the AWS Simple Monthly Calculator
View pricing details
How it works
Introduction to Amazon S3
Copy link