Experiment No - 05

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Sem & Sec 7 CSE [B]

AIM:

Demonstrate the creation of storage services in public cloud based on the

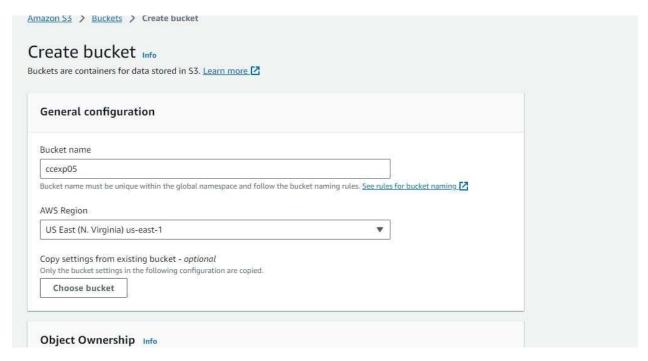
Scenario:

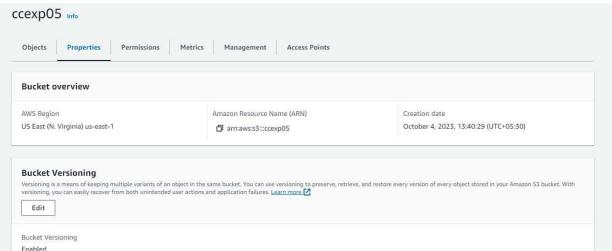
You are tasked with demonstrating the usage of different AWS storage services to a group of colleagues who are new to cloud computing. Your goal is to provide hands-on experience with Amazon S3, Amazon EBS, and Amazon EFS. Create a step-by-step guide for this demonstration, covering the creation, configuration, and use of each storage service.

Task 1: Demonstrate the process of creating a static website using Amazon S3 bucket storage to a group of beginners. The website should include multiple HTML files, CSS stylesheets, and images.

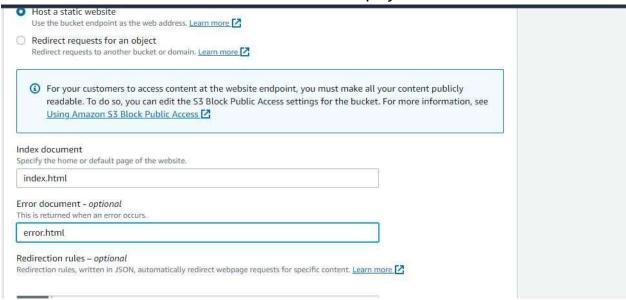
Describe the step-by-step process, including setting up the S3 bucket, configuring the necessary permissions, and ensuring the website is accessible via a web browser.

Creating S3 bucket called as ccexp05

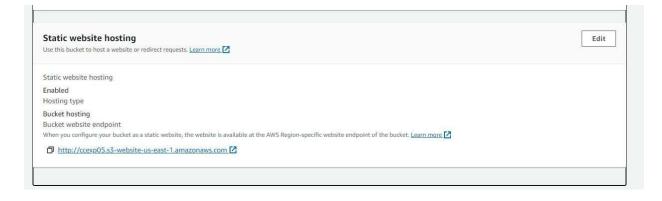




Making bucket public for static webpage hosting where it is going to display index.html and if there will be error it will display error.html



After saving the changes S3 bucket URL is generated



When trying to access S3 Bucket via URL the bucket is public but contains of bucket are not public



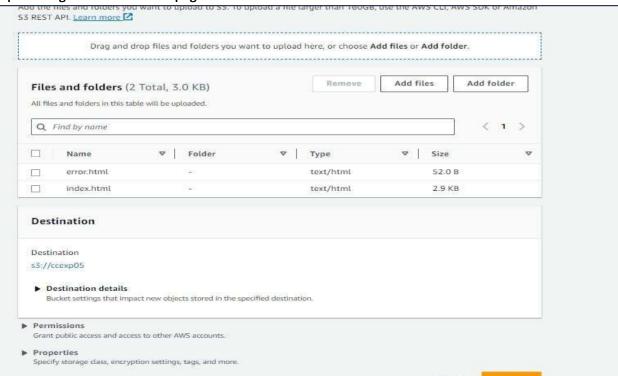
403 Forbidden

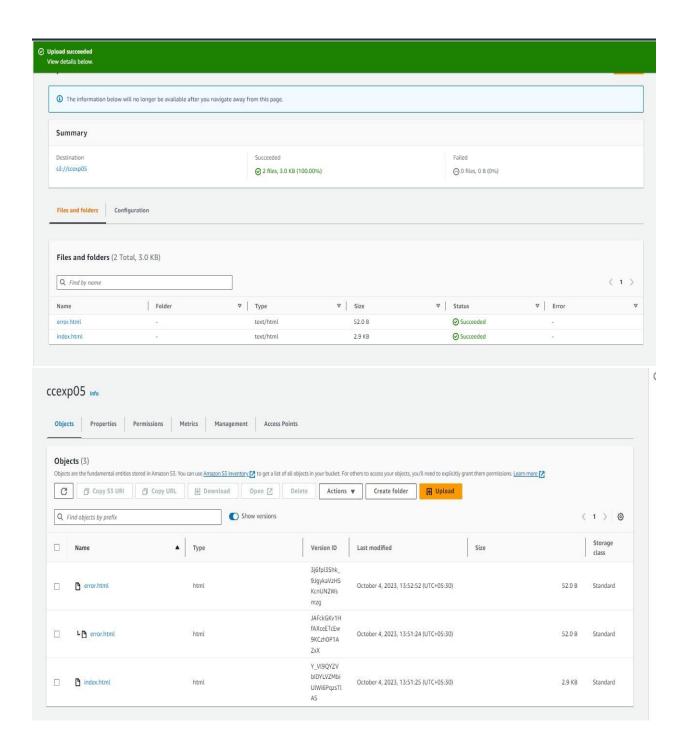
- Code: AccessDenied
- Message: Access Denied
- RequestId: VAV5Q5QPYM86TYQV
- HostId: NmXkTXEBeNCKkrWa5lmQ5c5bvENjmw9g2/bX/RcVBmu/4yqW9RfrLykPku9yrErYF7HEIr+cTGw=

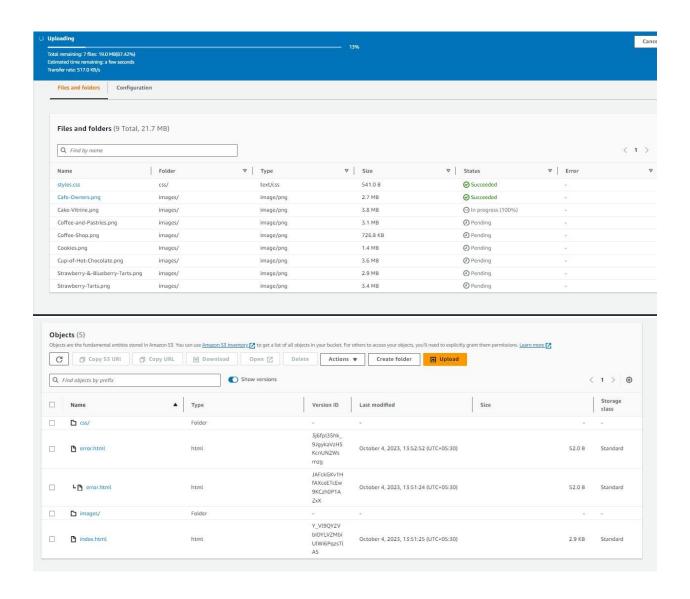
An Error Occurred While Attempting to Retrieve a Custom Error Document

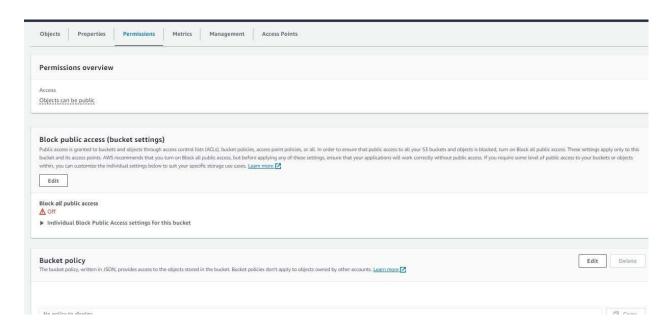
- · Code: AccessDenied
- · Message: Access Denied

Uploading the static webpages that one needs to host











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

Select Type of Policy SQS Queue Policy

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.

Step 2: Add Statement(s) A statement is the formal description of	SQS Queue Policy S3 Bucket Policy VPC Endpoint Policy IAM Policy SNS Topic Policy See a description of elements that you can u	se in statements.
Principal		
	Use a comma to separate multiple values.	
AWS Service	Amazon SQS 💌	All Services (***)
	Use multiple statements to add permissions for more than one service.	
Actions	Select Actions	
Amazon Resource Name (ARN)		

Step 1: Select Policy Type

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

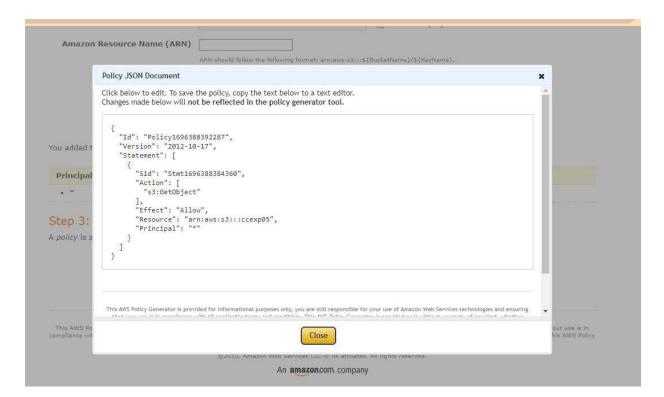
Select Type of Policy S3 Bucket Policy >

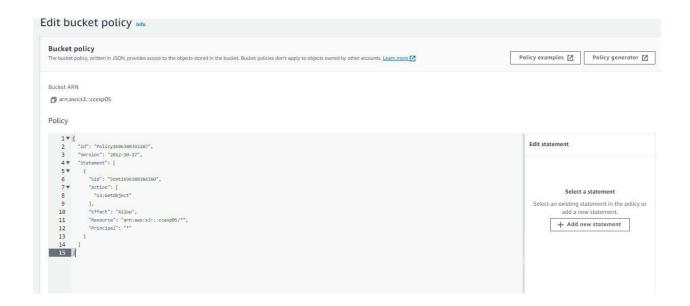
Step 2: Add Statement(s)

A statement is the formal description of a single permission. See a description of elements that you can use in statements.

Effect	Allow	O Deny			
Principal					
	Use a comm	na to separate multiple	values.		
AWS Service	Amazon S3			All Services ('*1)	
	Use multiple statements to add permissions for more than one service.				
Actions	Select A	Actions	•	☐ All Actions ('*')	
Amazon Resource Name (ARN)					
		I follow the following for ma to separate multiple		BucketName}/\${KeyNam	e}.
	Add Condi	itions (Optional)			
	Add Stat	tement			

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





Successfully hosted webpage



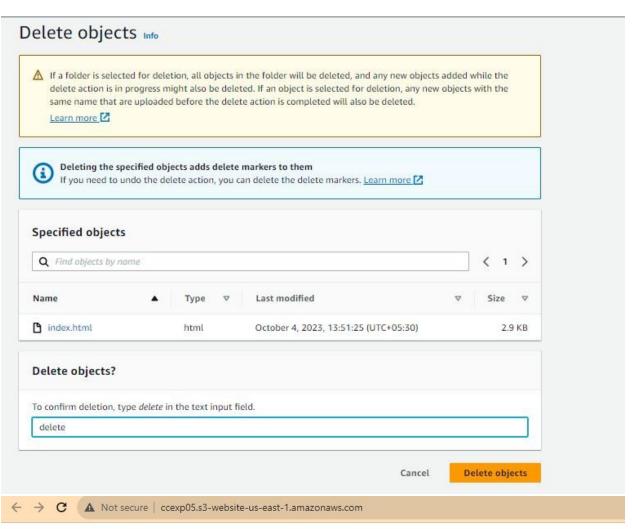
Café



The Café offers an assortment of delicious and delectable pastries and coffees that will put a smile on your face. From cookies to croissants, tarts and cakes, each treat is specially prepared to excite your tastebuds and brighten your dayl

Frank bakes a rich variety of cookies. Try them all!

After deleting the	index.html file	that is the main	webpage it shows	the error.html



this is error page