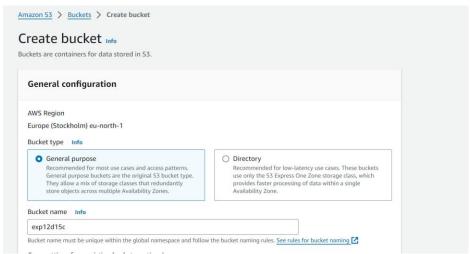
## **EXPERIMENT:12**

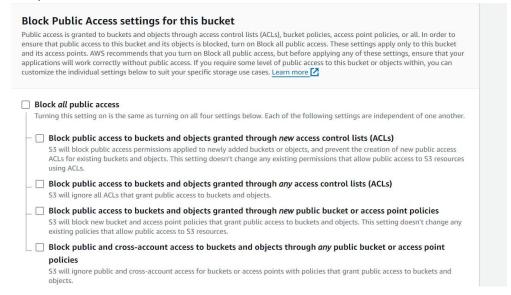
Aim: To create a Lambda function which will log "An Image has been added" once you add an object to a specific bucket in S3

## STEPS:

Create an S3 Bucket: Start by creating a new S3 bucket and give it a unique name.



**Enable Public Access**: Since the bucket will act as a trigger for the Lambda function, ensure that public access is enabled.



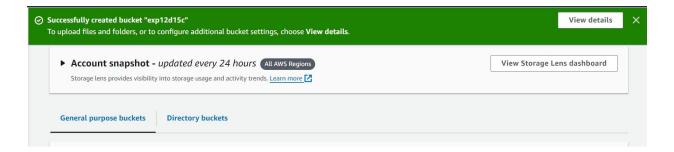
. **Confirm Public Access**: After enabling public access, confirm the settings to proceed with bucket creation.



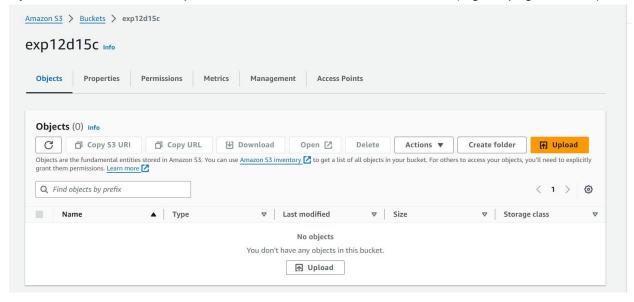
Turning off block all public access might result in this bucket and the objects within becoming public AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

I acknowledge that the current settings might result in this bucket and the objects within becoming public.

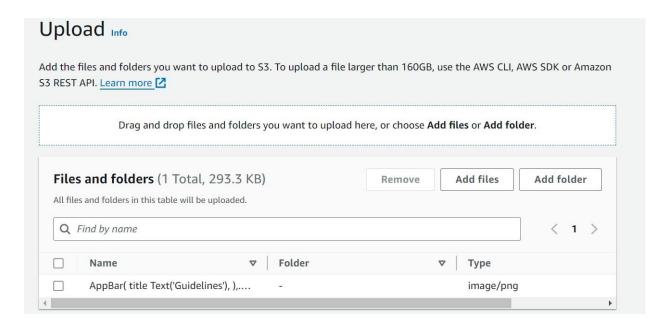
**Bucket Creation Confirmation**: A confirmation message will appear, indicating the bucket was created successfully.



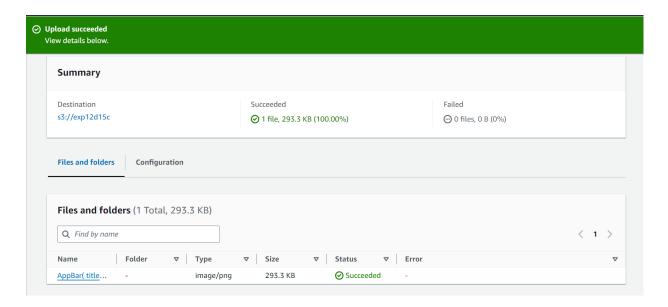
. Upload a File: Click the "Upload" button and add a file to the bucket (e.g., a .png or .txt file).



. **File Upload Confirmation**: Once the file is uploaded, you'll receive a confirmation message indicating success.

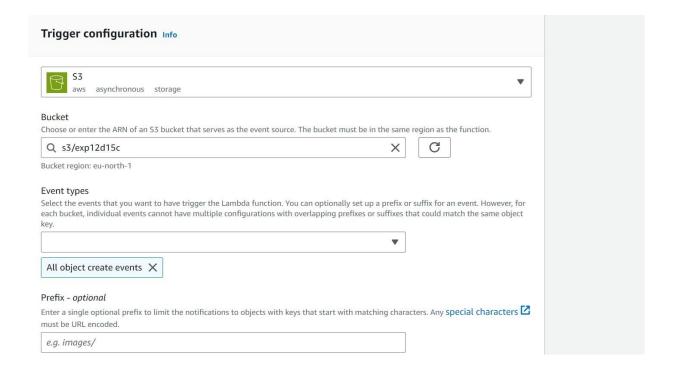


**Access Lambda in AWS Dashboard**: Open the AWS dashboard, search for "Lambda," and access the Lambda function created in experiment 10 to add the S3 bucket as a trigger.

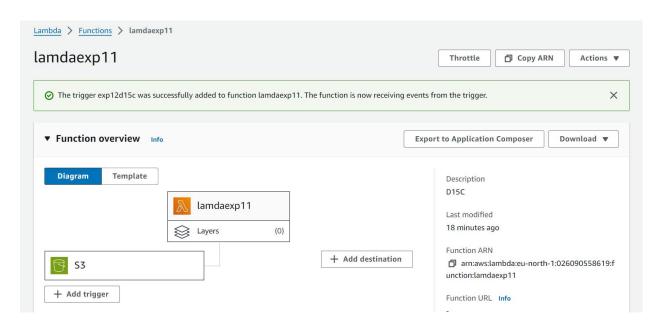


Add the Trigger: In the Lambda function dashboard, click the "Add trigger" button.

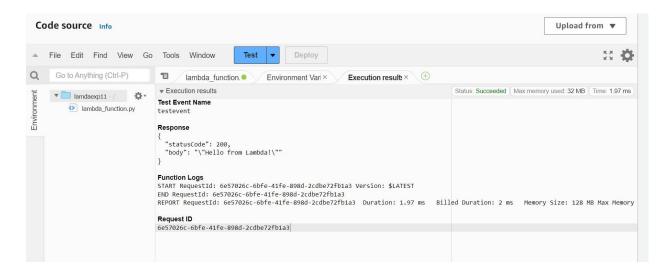
**Configure the Trigger**: On the trigger configuration page, select "S3" as the service and choose your bucket. Complete the required information and save the configuration.



**Trigger Confirmation**: You'll see a confirmation message showing that the S3 bucket has been successfully added as a trigger.



**Test the Lambda Function**: Run the code by clicking on the "Test" tab. A success message will indicate that the Lambda function executed successfully.



## Conclusion:

The experiment successfully showcased the integration of an S3 bucket with a Lambda function. By setting up the S3 bucket to trigger the Lambda function upon object uploads, we created an efficient, automated process for logging when files are added.