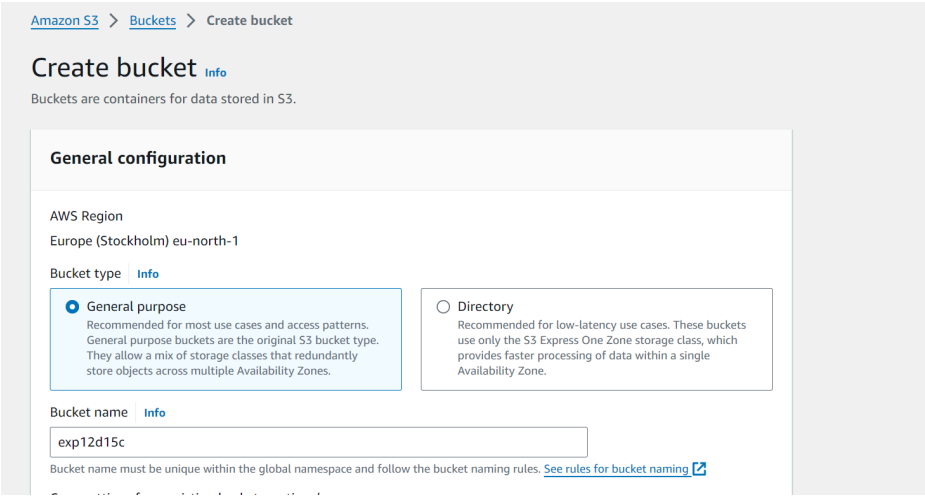
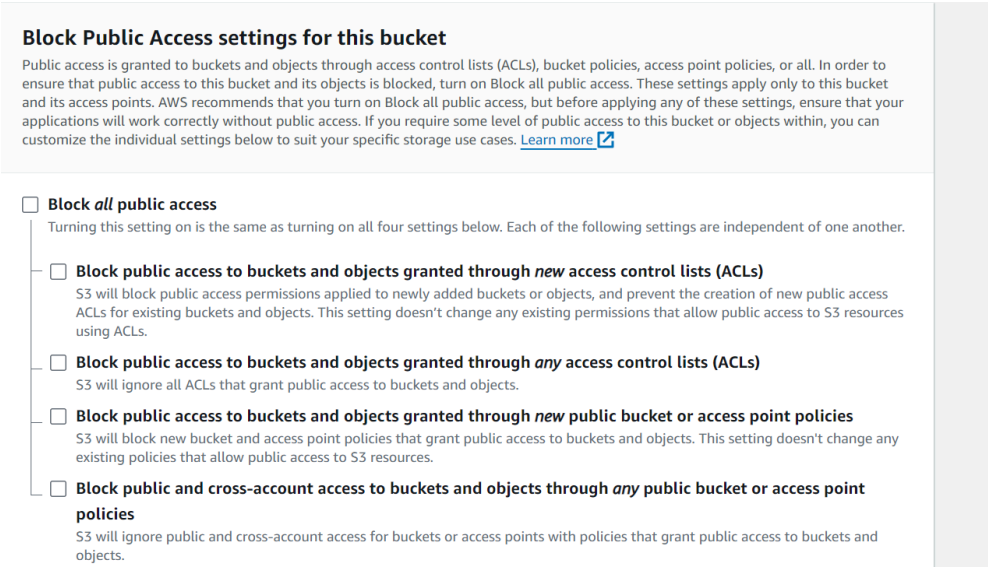
Aim: To create a Lambda function which will log “An Image has been added” once you add an object to a specific bucket in S3

STEPS:

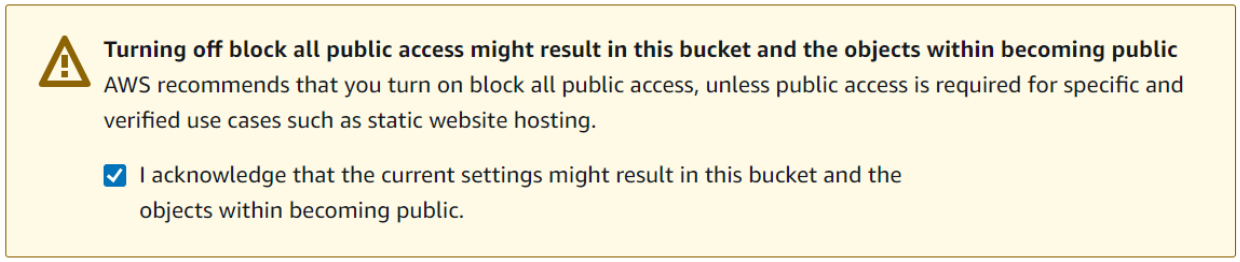
1. Create a S3 bucket and give it a bucket name



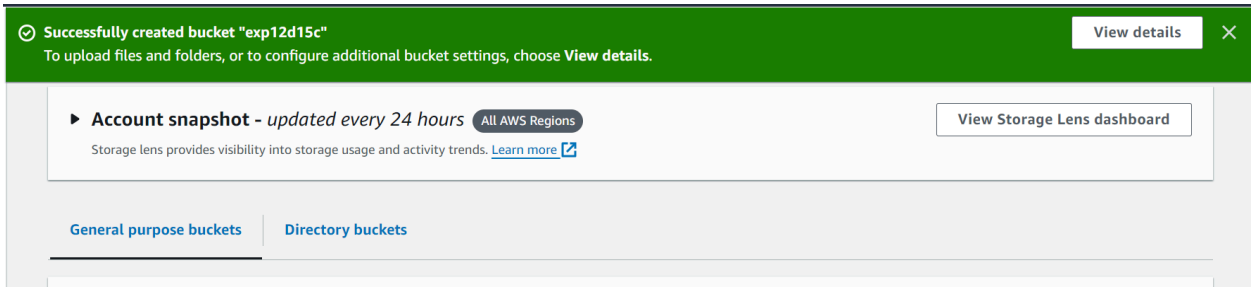
2. Allow public access to the bucket as we are going to add this bucket as a trigger for our lamda function



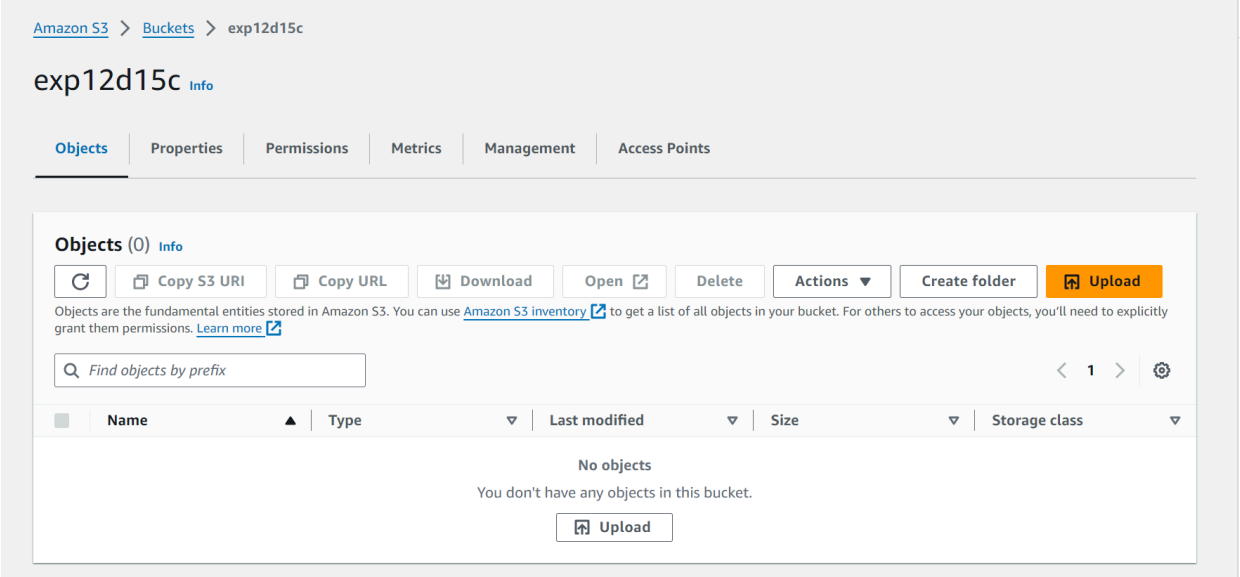
3. Give confirmation that you want to allow full public access and create the bucket



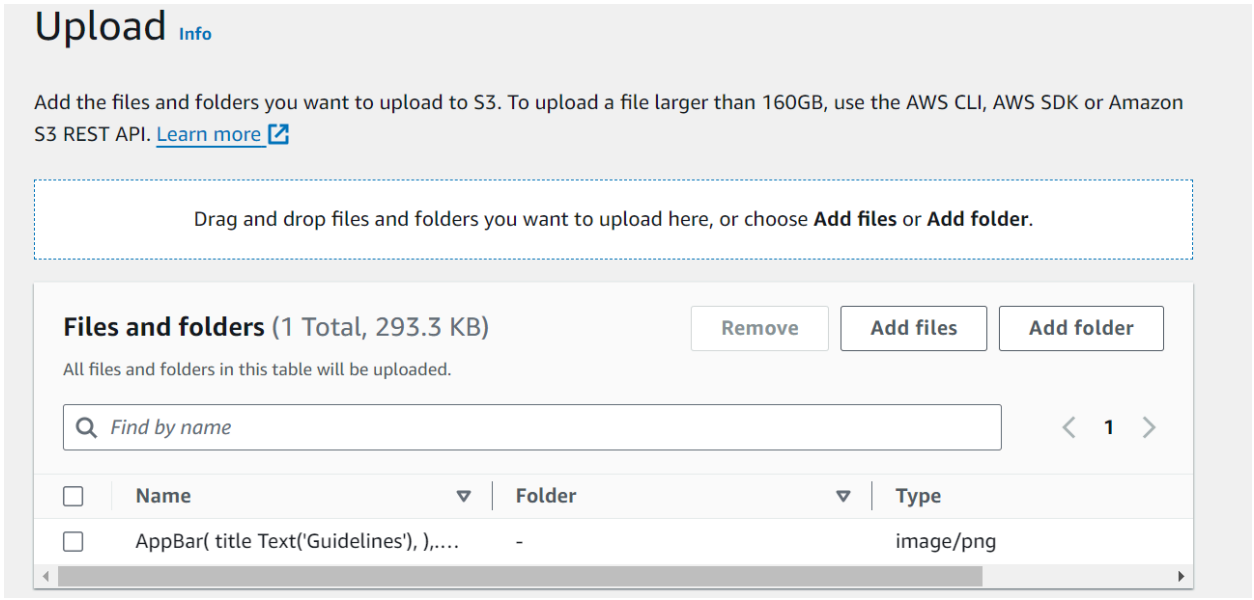
4. You will see the confirmation that the bucket is created successfully



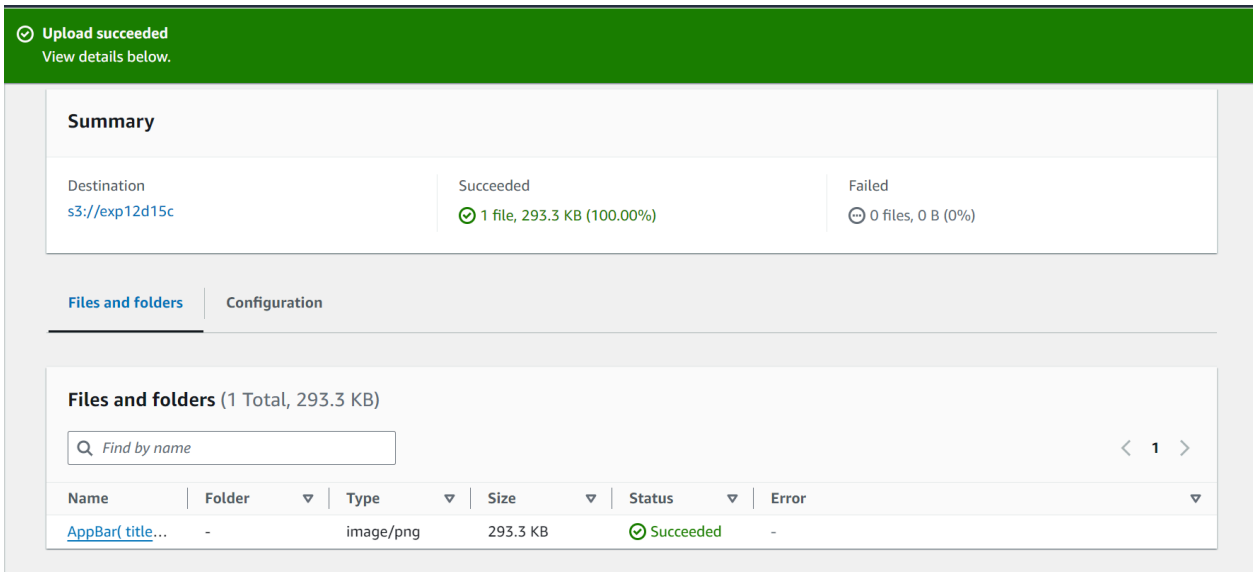
5. Now we need to upload something in the bucket so click on the upload button and add a file



6. I have added a .png extension file; You can upload a .txt file as well

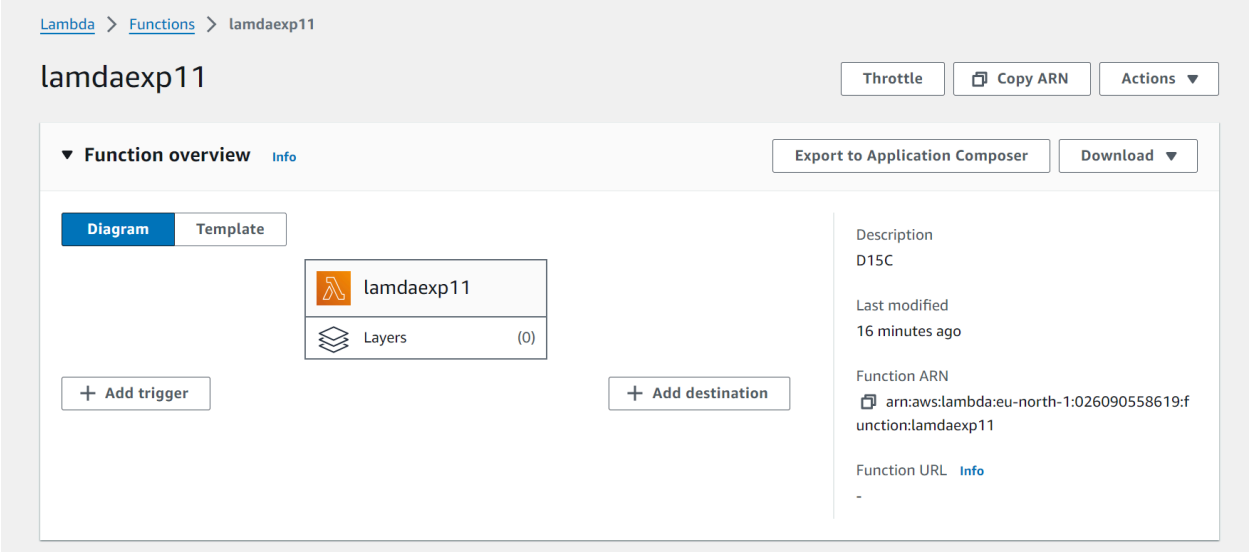


7. Here you can see the confirmation that the upload was a success

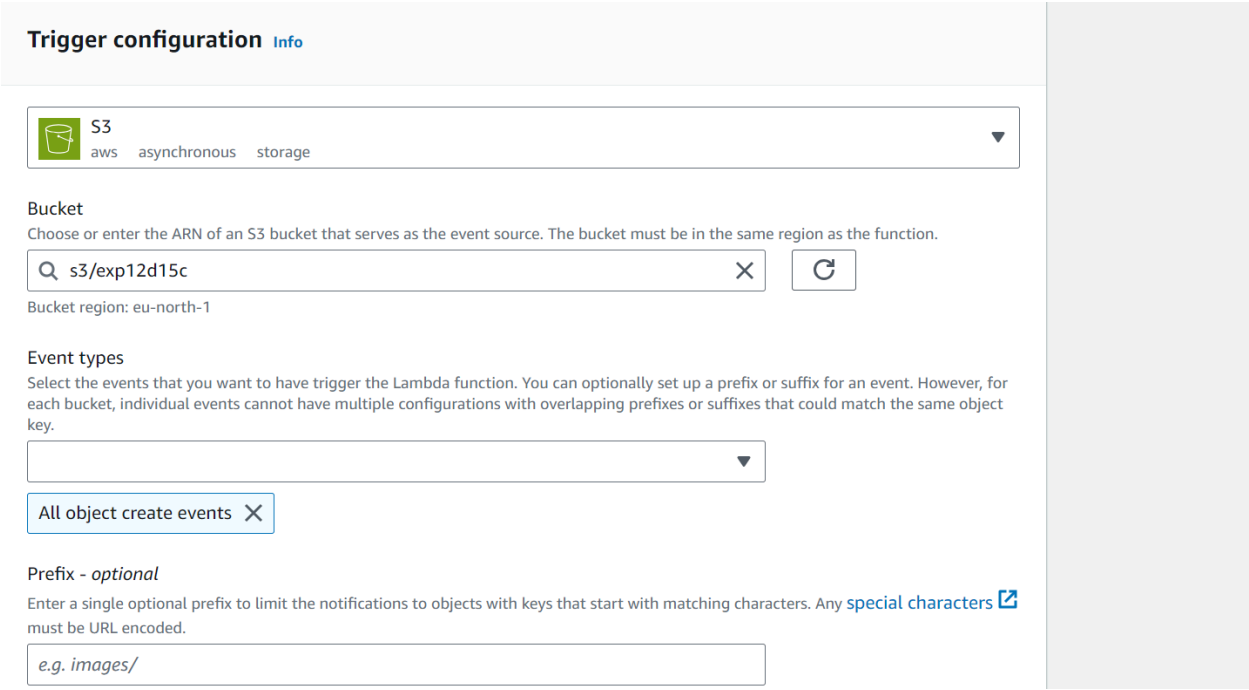


8. Now go back to the aws dashboard and search for lamda function service, Open the function we created in experiment 10. We are going to add this bucket as a trigger to this function

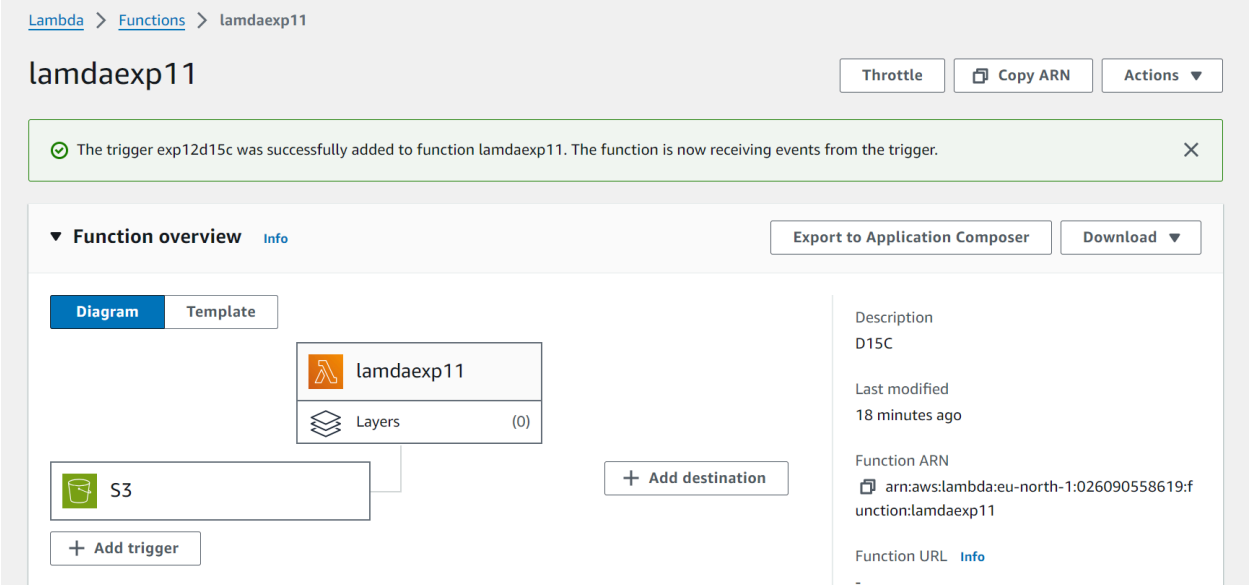
9. On the function overview section of the dashboard you can see the “Add trigger” button. Click on that



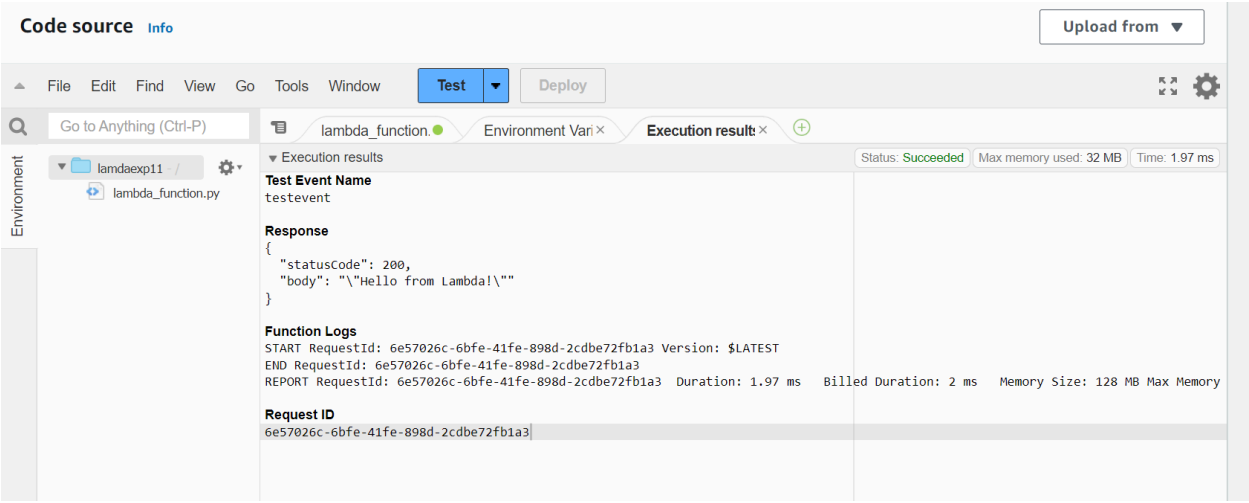
10. It will lead you to the trigger configuration tab; Where you have to select the service and the bucket you created. Add the required configuration information and then save.



11. Here you can see we have the confirmation message as well the the s3 bucket added to our triggers



12. Test the code by clicking on the Test tab ; Here as you can see our code ran successfully



Conclusion: In conclusion, the experiment successfully demonstrated the integration of an S3 bucket with an AWS Lambda function as a trigger. By creating the S3 bucket and configuring it to invoke the Lambda function upon object uploads, we established a seamless workflow for automated processing.