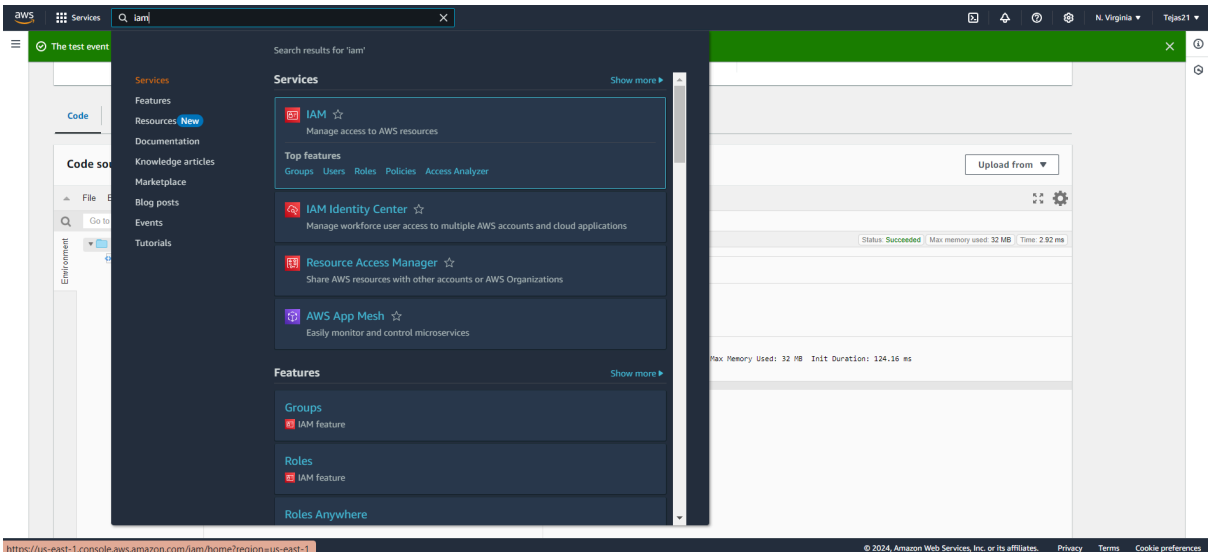
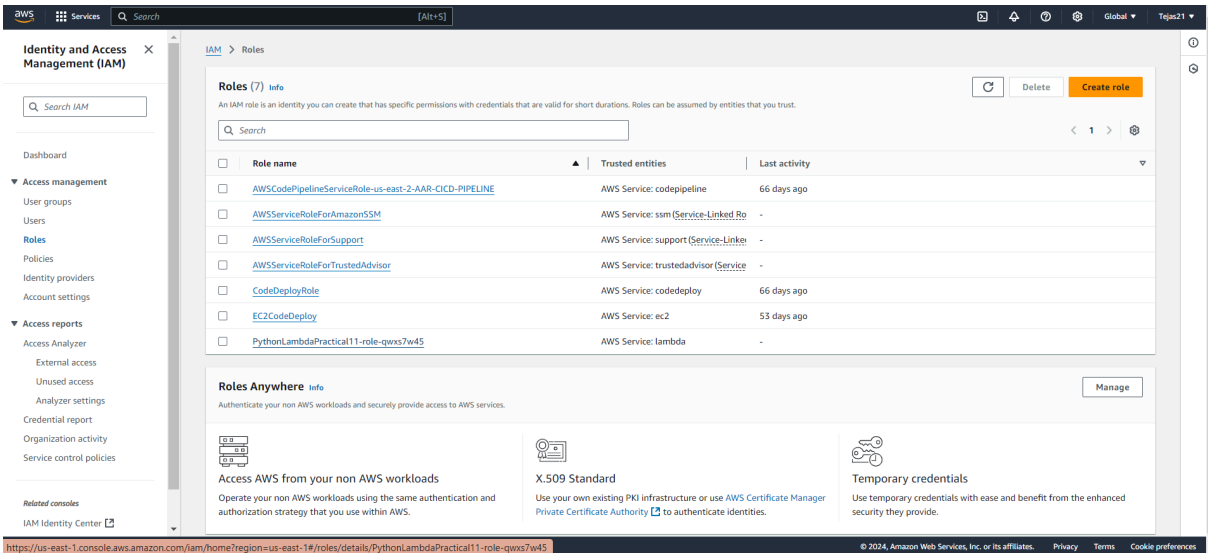
EXPERIMENT NO: - 12

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

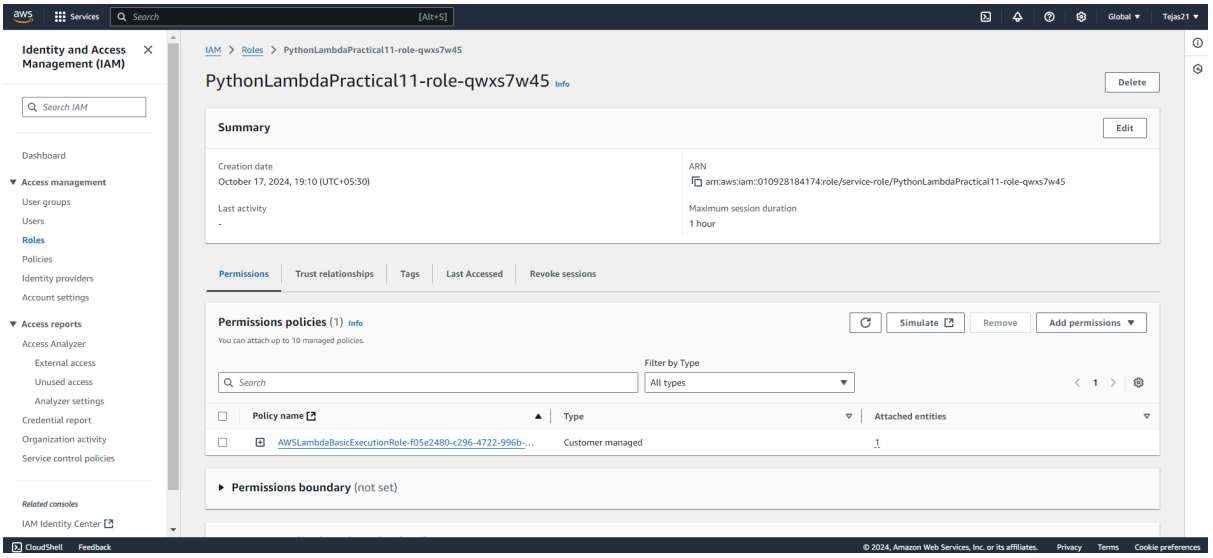
- Select an IAM services



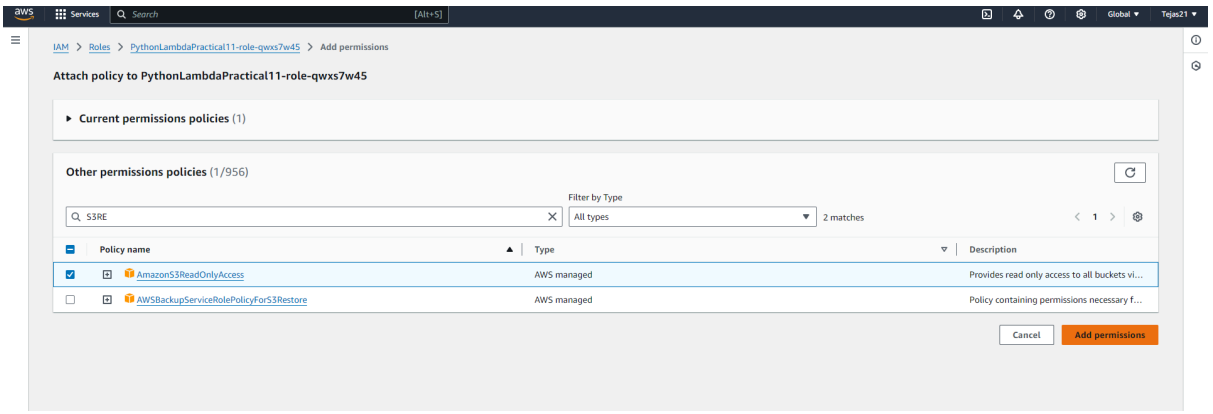
- Open up the IAM Console and under Roles, choose the Role we previously created for the Python Lambda Function (You can find your role name configuration of your Lambda function).



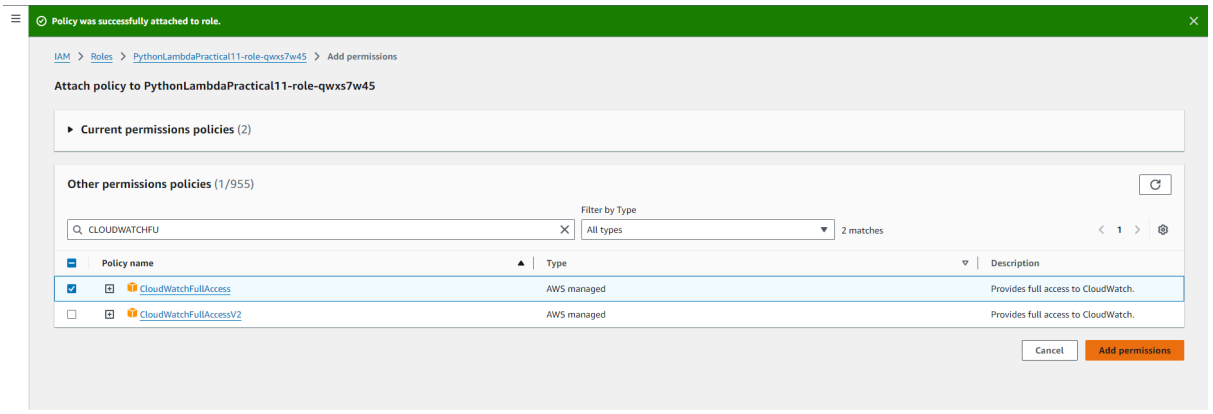
- Under Attach Policies, add S3-ReadOnly and CloudWatchFull permissions to this role.



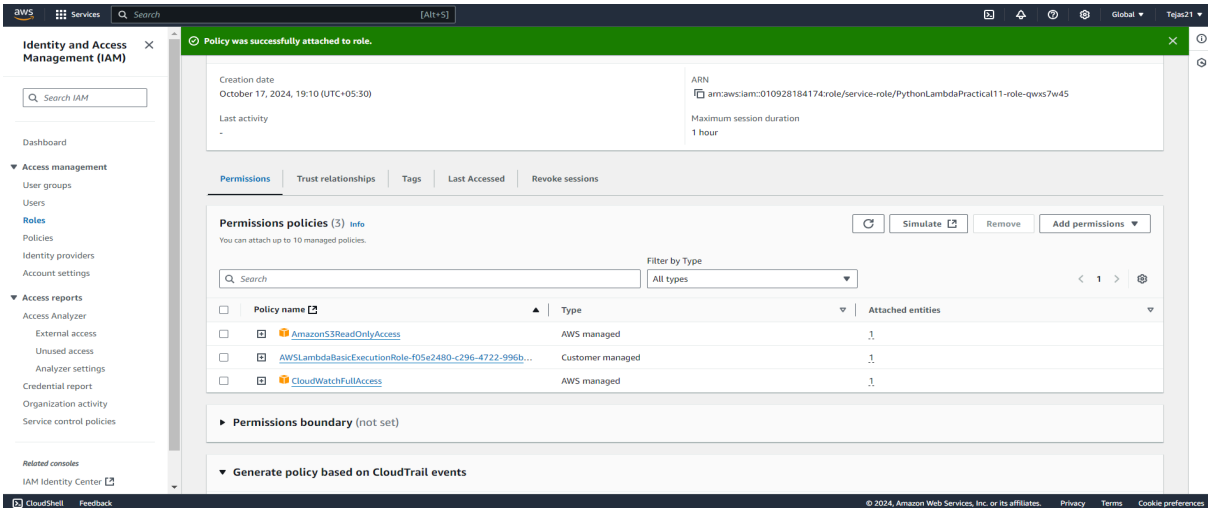
- S3-ReadOnly



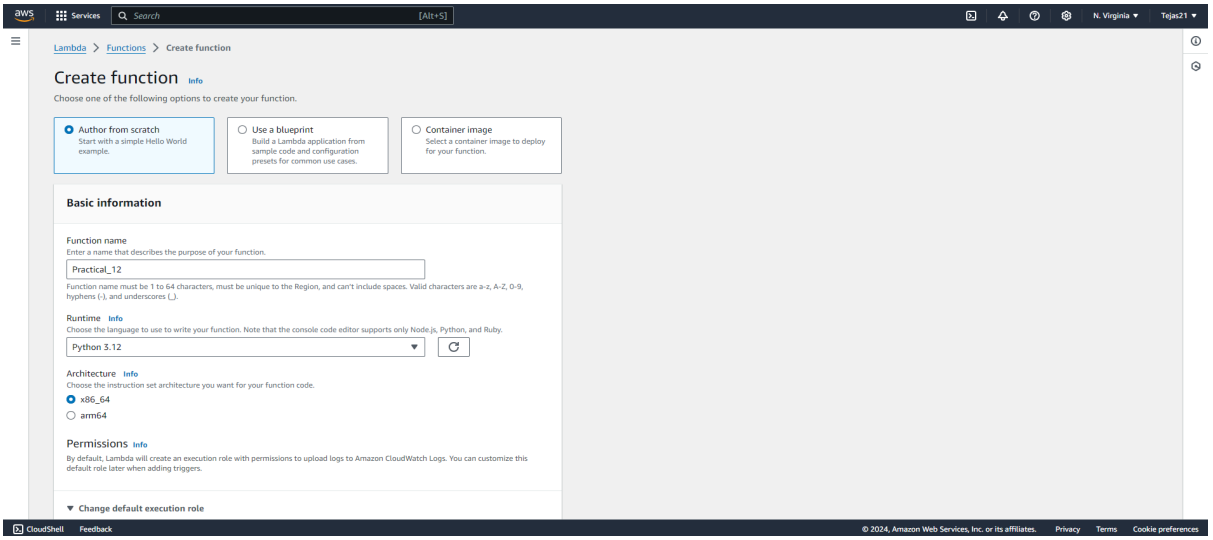
- CloudWatchFull

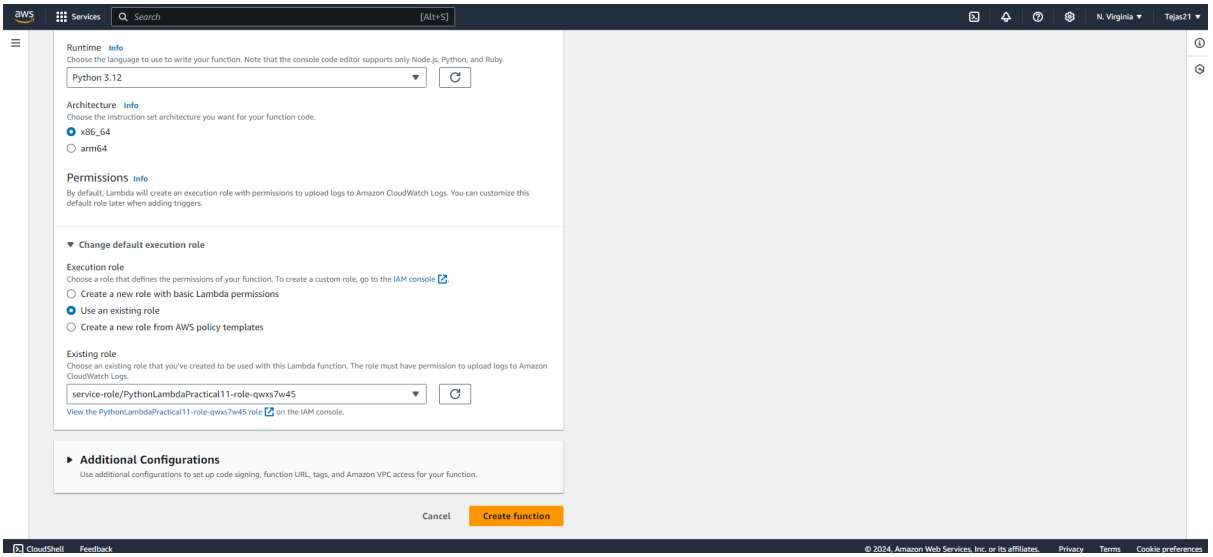


- After successful attachment of policy you will see something like this you will be able to see the updated policies.

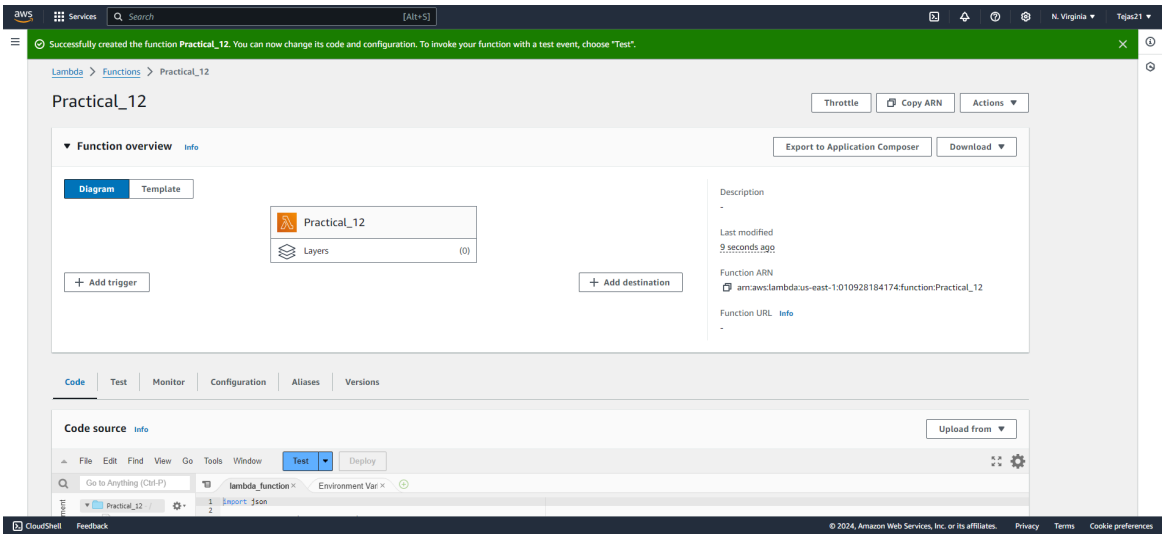


- Open up AWS Lambda and create a new Python function. Under Execution Role, choose the existing role, then select the one which was previously created and to which we just added permissions.

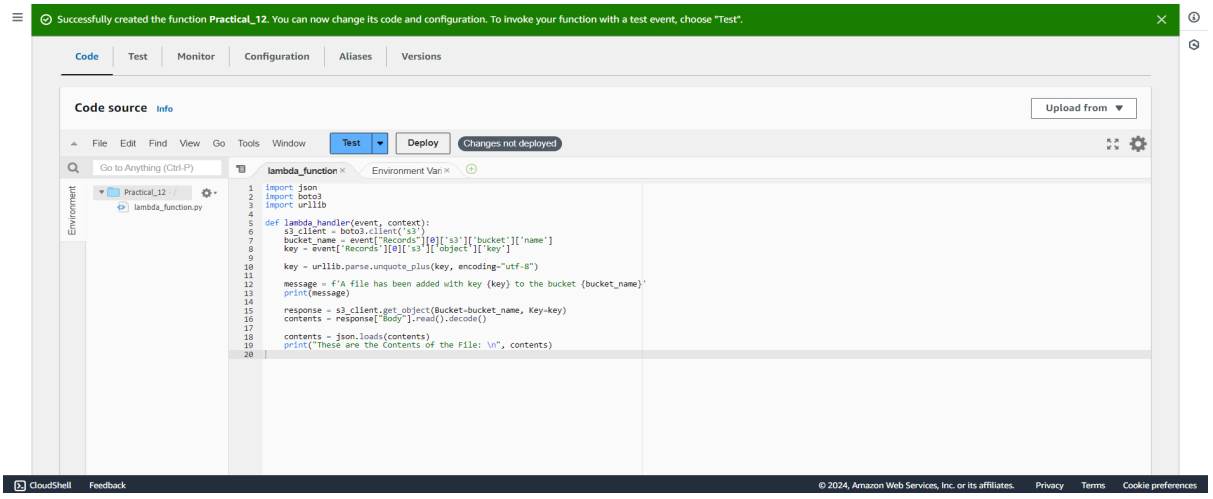




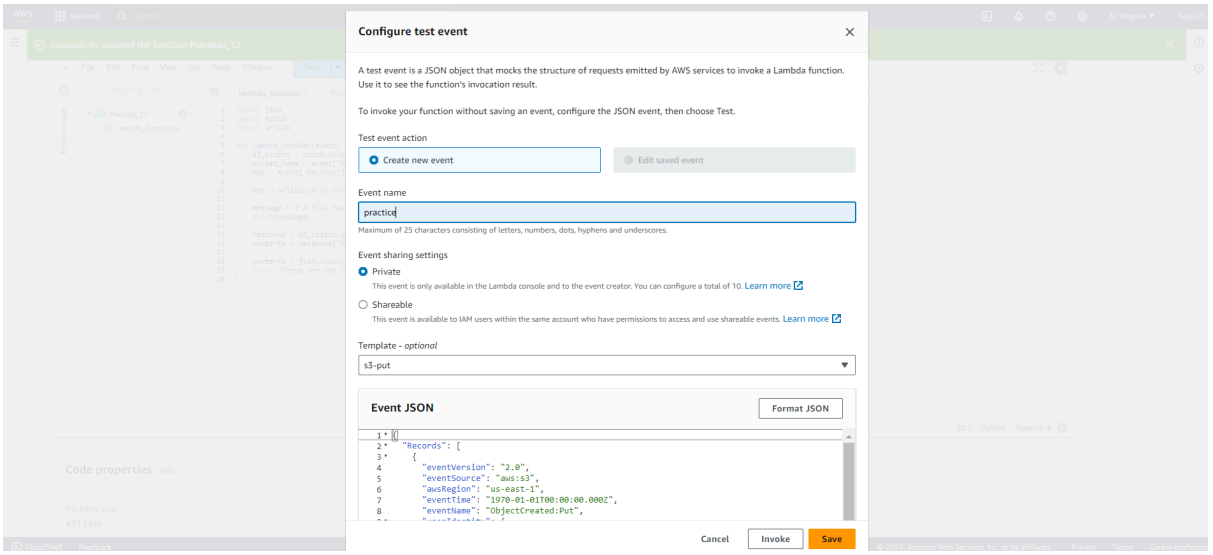
- The function is now successfully created and running



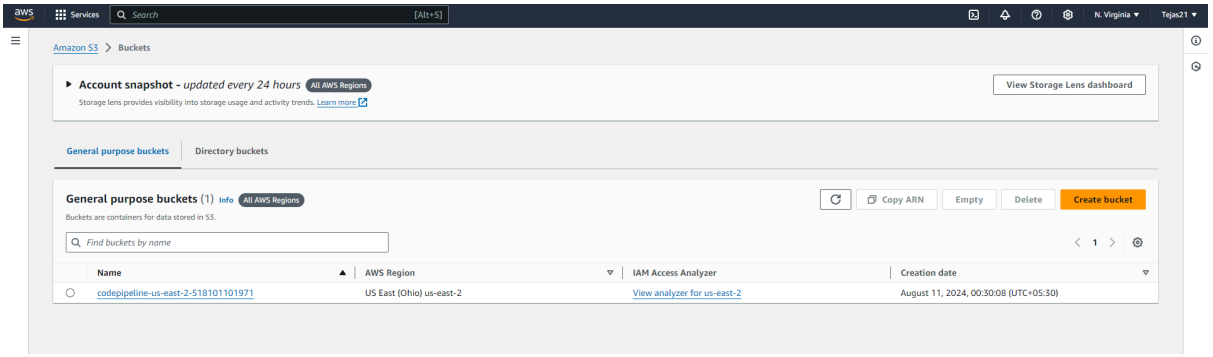
- Make the following changes to the function and click on the deploy button. This code basically logs a message and logs the contents of a JSON file which is uploaded to an S3 Bucket and then deploy the code.



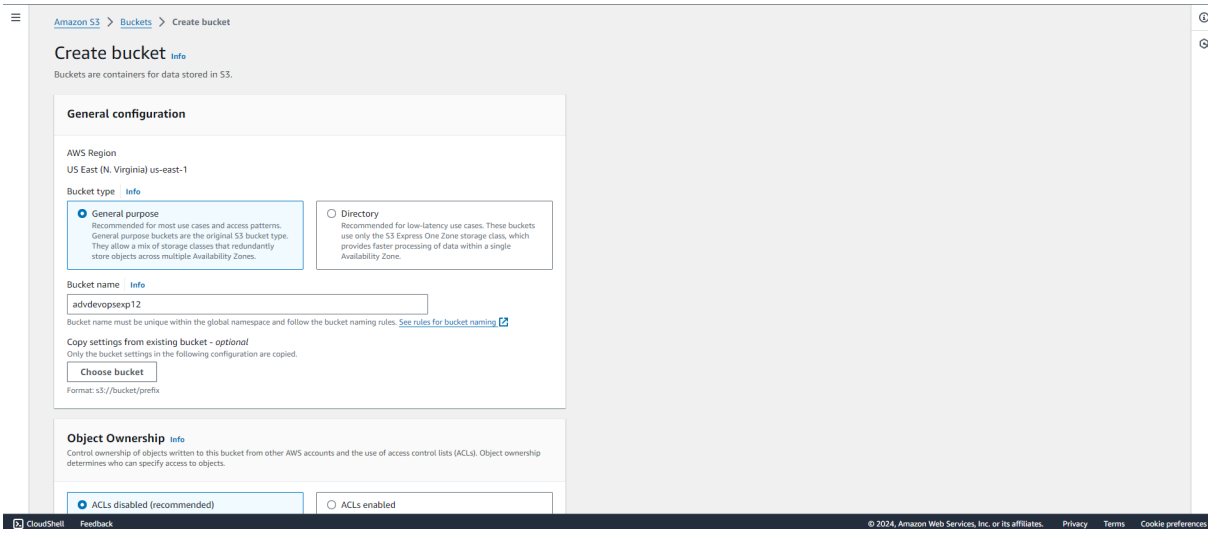
- Click on Test and choose the ‘S3 Put’ Template.



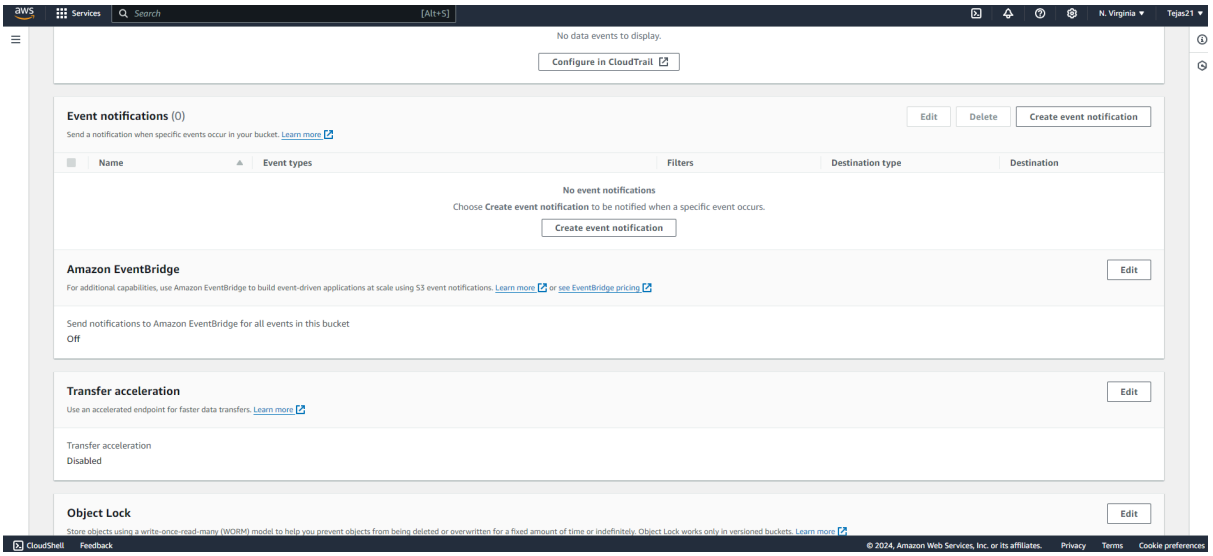
- Open up the S3 Console and create a new bucket.



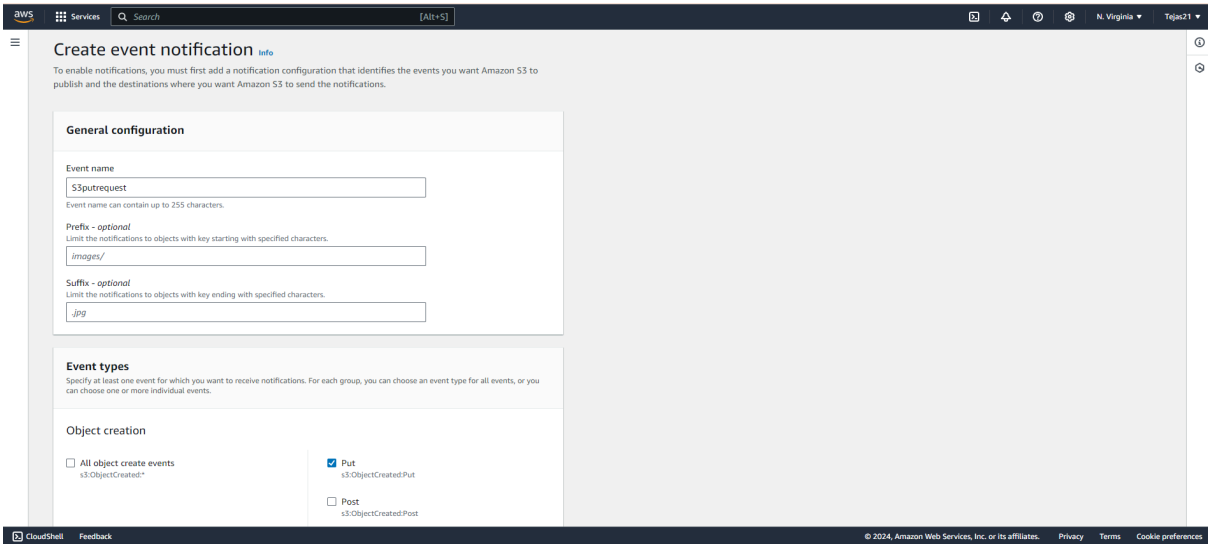
- With all general settings, create the bucket in the same region as the function.



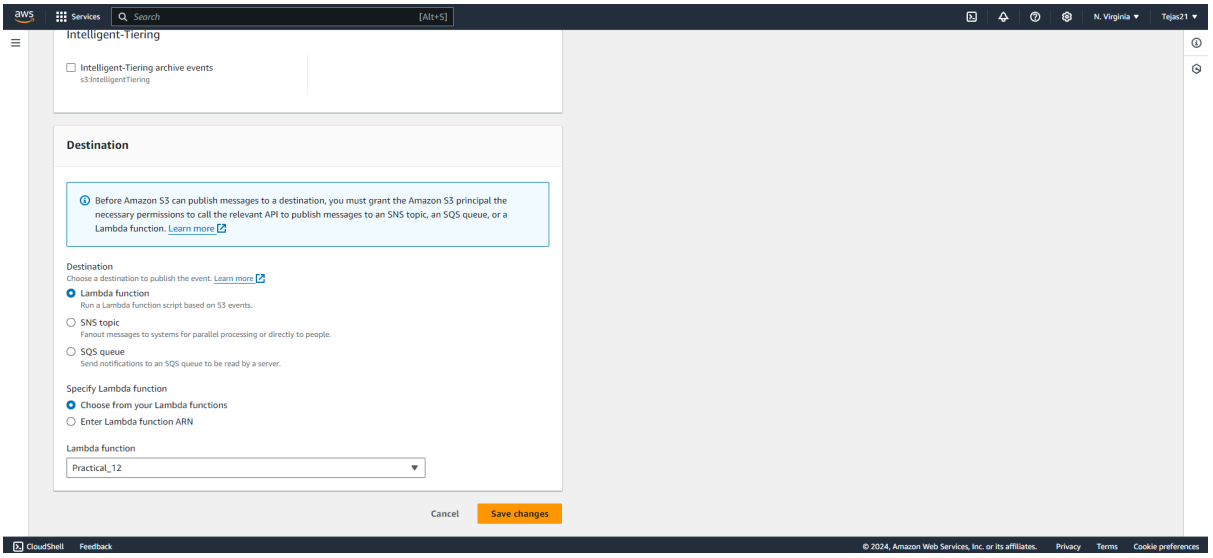
- Click on the created bucket and under properties, look for events. Click on Create Event Notification.



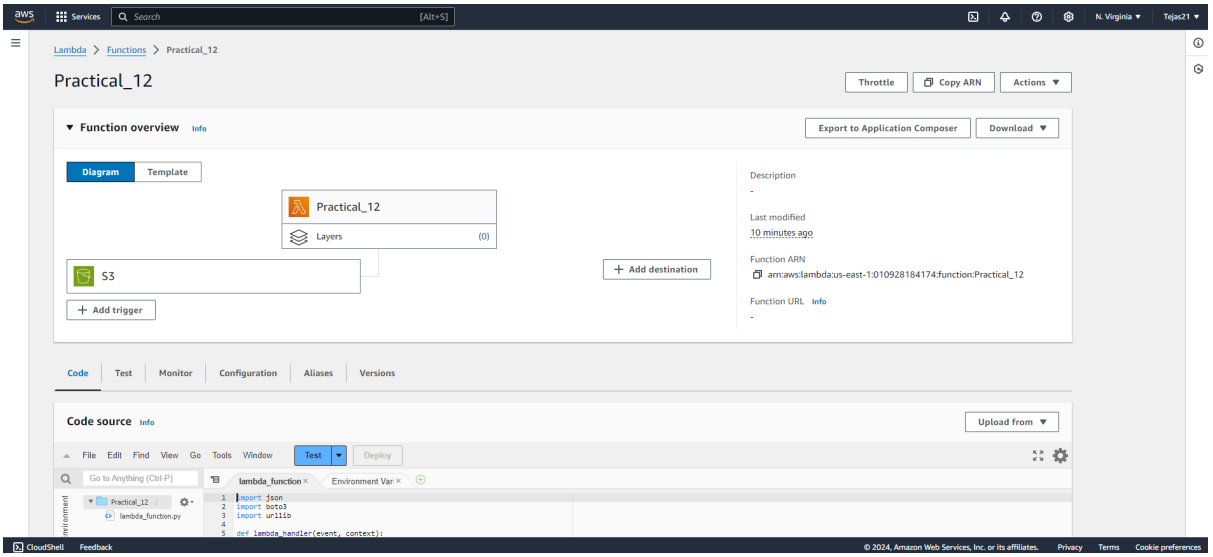
- Mention an event name and check Put under event types.



- Choose Lambda function as destination and choose your lambda function and save the changes.

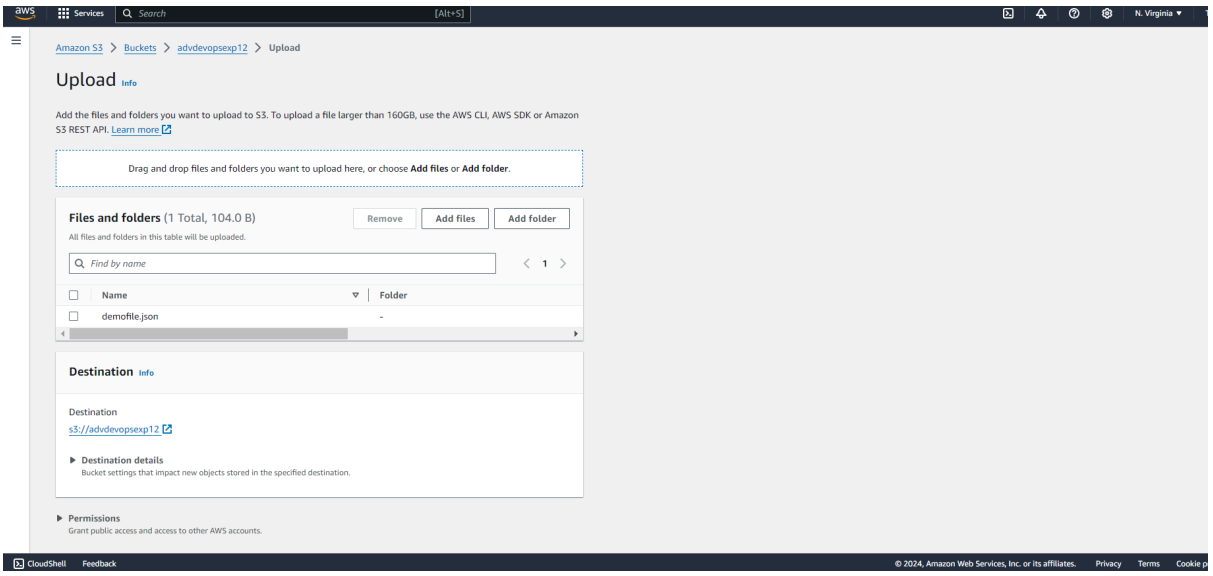


- Refresh the Lambda function console and you should be able to see an S3 Trigger in the overview.

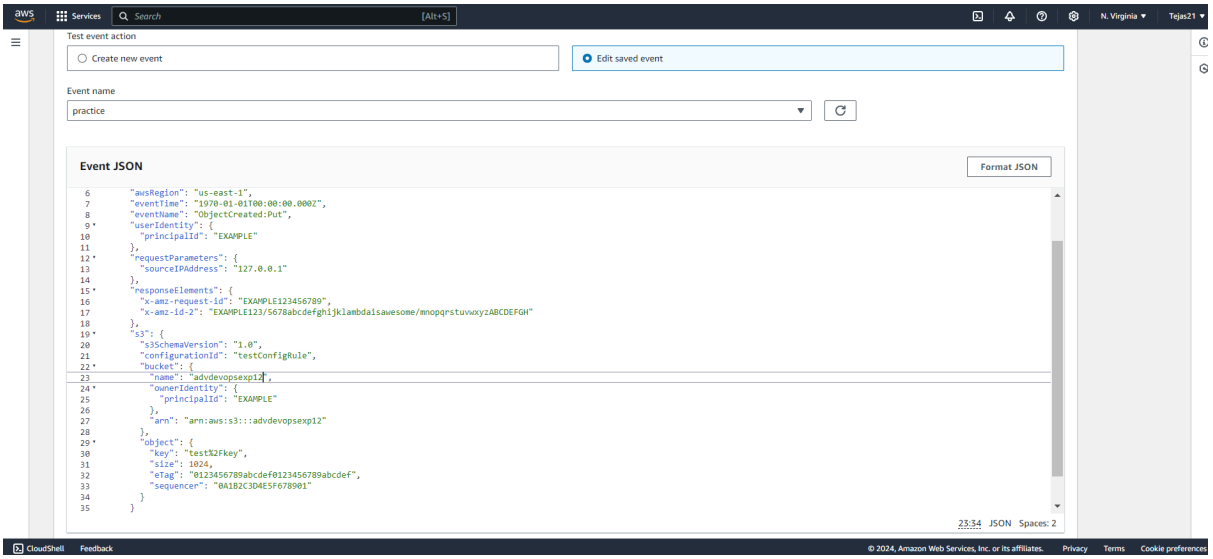


- Now, create a demofile JSON file locally.

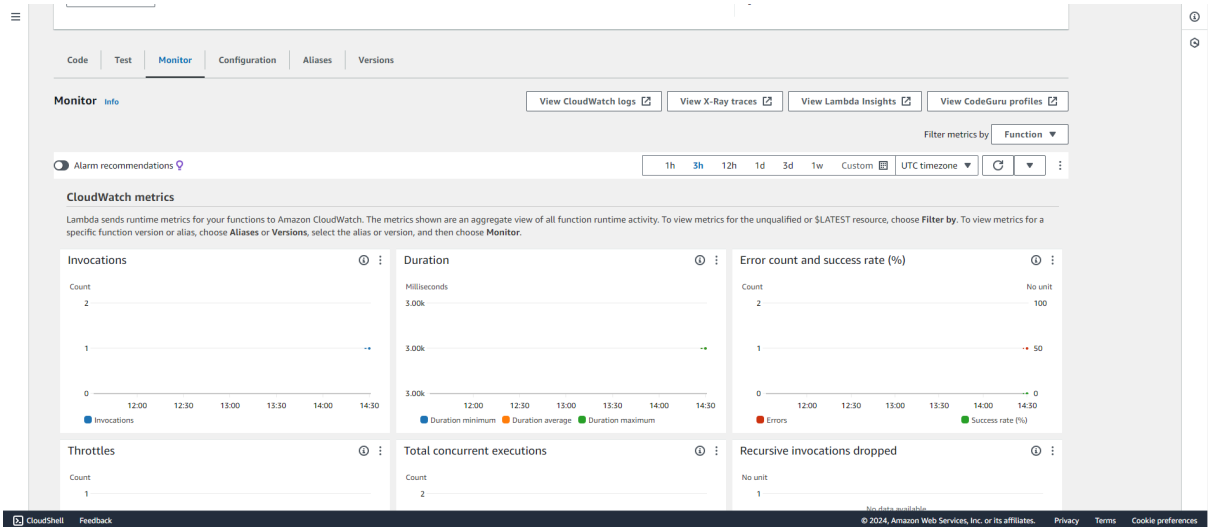
- Go back to your S3 Bucket and click on Add Files to upload a new file. Select the demofile data file from your computer and click Upload.



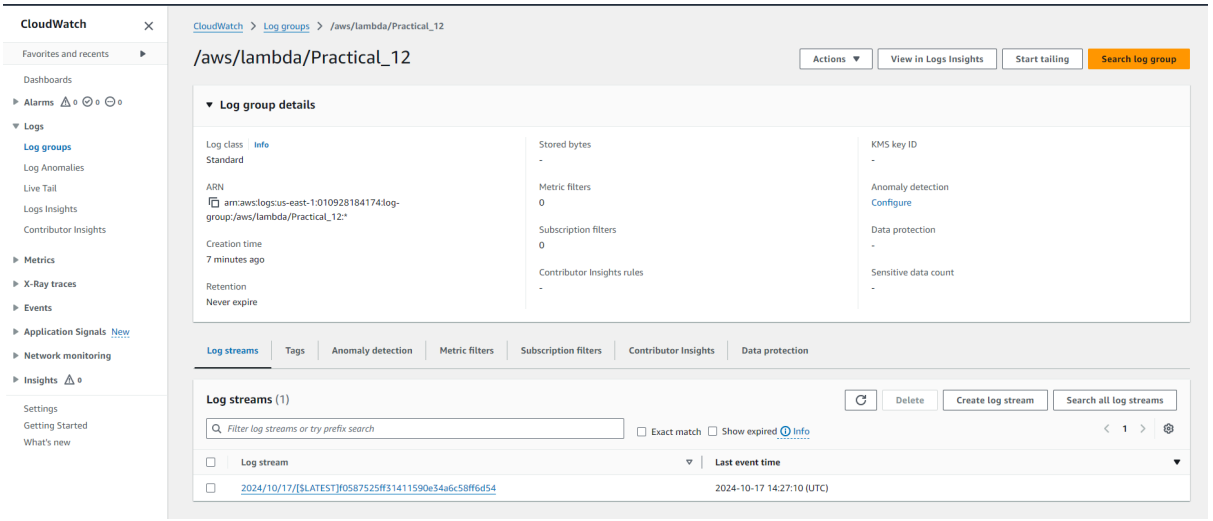
- After this make the necessary changes in the Test configuration file which we created it previously by replacing the Bucket Name and the ARN of Bucket.



- Go back to your Lambda function , Refresh it and check the Monitor tab.



- Under Log streams, click on View logs in Cloudwatch to check the Function logs.



- Click on this log Stream that was created to view what was logged by your function.