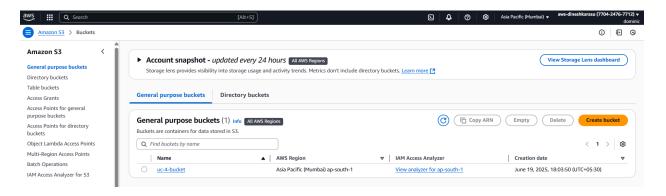
## Use case

## Use case discription

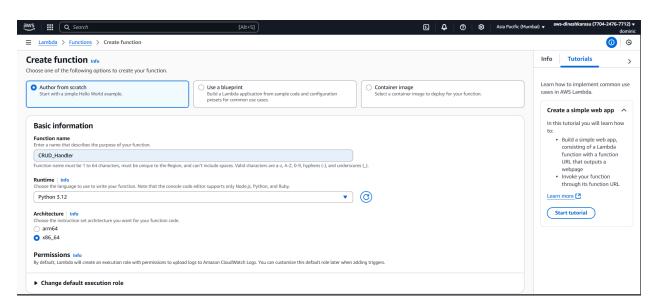
## Deploying a simple serverless app

using Lambda, API Gateway, and S3 for a basic CRUD operation

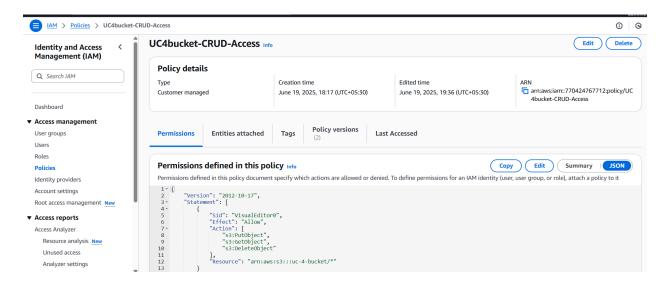
1. Navigate to S3 service from AWS console and create a simple bucket, here we created the bucket **uc-4-bucket** as shown below



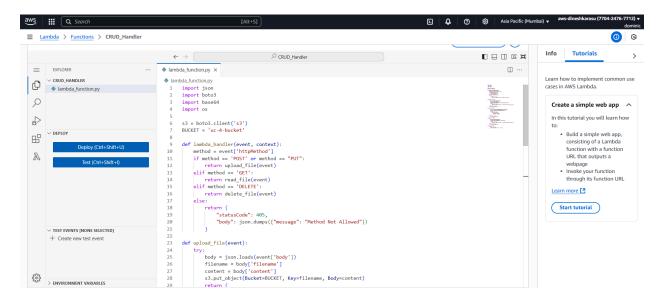
2. Create a lambda function CRUD Handler



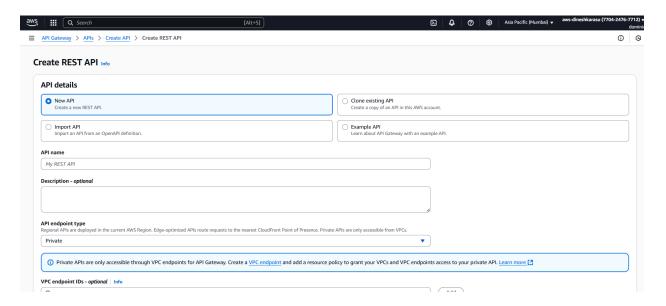
3. Navigate to IAM service and assign proper permissions to the Lambda that we just created ( GetObject, DeleteObject, PutObject ) by creating and attaching new policies



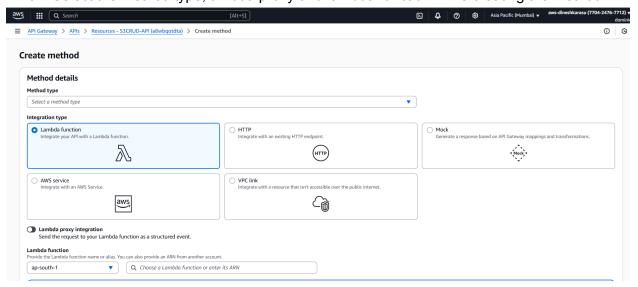
- 4. Now, write the logic for the lambda to execute whenever the function gets triggered by the API Gateway
- 5. Analyse the JSON request that API Gateway sends to the Lambda, based on the "httpmethod" parameter value, check whether it is a Get/Post/Delete method and write corresponding logic to execute the action by input request body



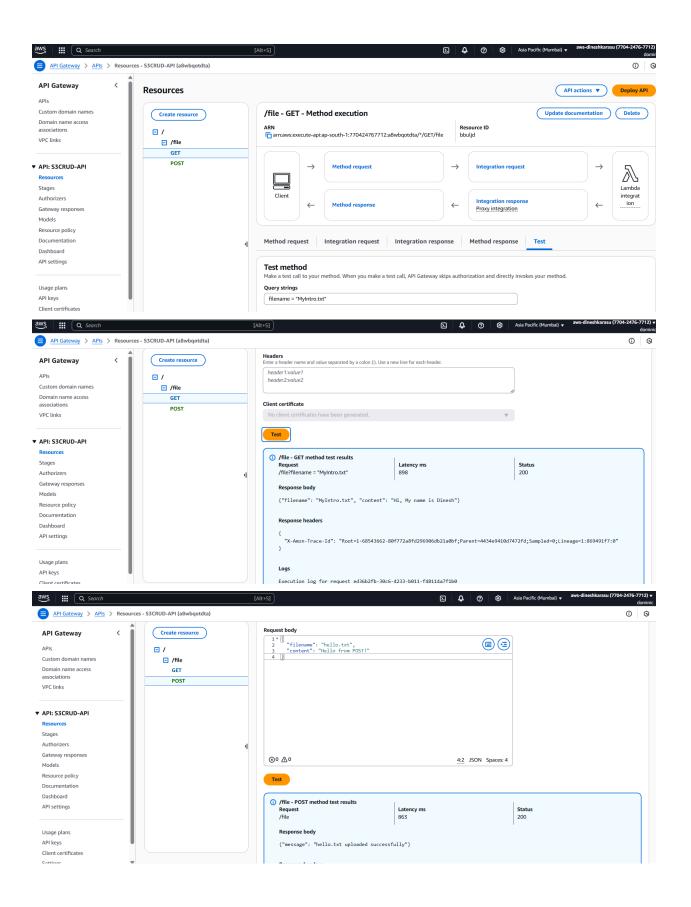
6. Navigate to API Gateway and create a REST API

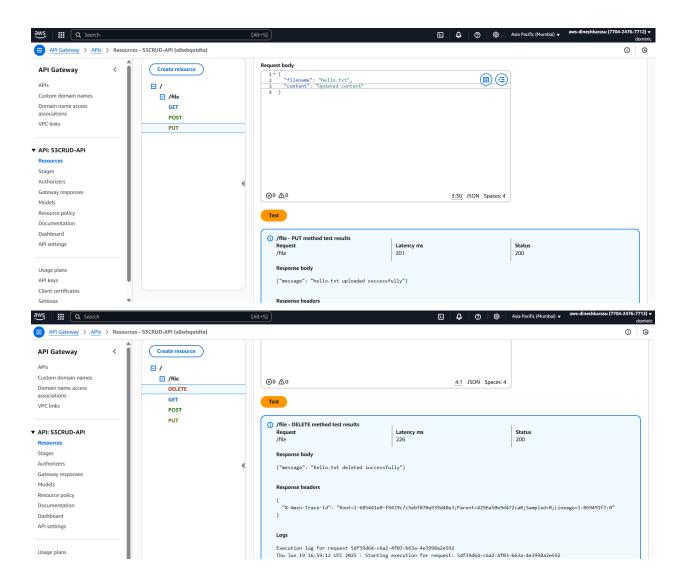


- 7. Create a resource and add methods ( Get, Post, Put, Delete ) to that resource
- 8. Select the method type, ambda proxy and lambda function while creating the method



- 9. Properly format URL QueryParameters/Request Body JSON and create methods
- 10. Test by the endpoint either in Postman or in the test tab provided down there itself





11. After testing, we can deploy the API to the desired stage. And use the endpoint whenever needed