Ramachandra Sai Nayani (1225418207)

Individual report for Portfolio consideration

Main individual contributions to the project:

1) S3 Lambda Trigger and code:

- I have created a lambda trigger for s3 and gave access to the IAM role for the lambda function.
- I have created a dummy function to check the flow and trigger from the input s3 bucket to the output s3 bucket.
- Wrote the code of the s3 bucket to get the input parameters and store the result in the output bucket.

2) Elastic container registry:

- Created a docker image with the required code and uploaded it to the ECR registry.
- We performed end-to-end testing to debug for errors along with the team.

Key Learnings:

- I learned How to create a s3 trigger from lambda and provide access to a lambda function.
- Understood how to build and deploy an image onto the ECR repository and attach a lambda function to it.

References:

[1] Amazon Web Services, "AWS Lambda: How It Works," Amazon Web Services, [Online]. Available: https://docs.aws.amazon.com/lambda/latest/dg/with-s3-example.html.

[2] Amazon Web Services, "AWS Lambda Execution Role," Amazon Web Services, [Online]. Available: https://docs.aws.amazon.com/lambda/latest/dg/lambda-intro-execution-role.html.

[1] Amazon Web Services, "Pushing Docker Images to Amazon ECR," Amazon Web Services, [Online]. Available: https://docs.aws.amazon.com/AmazonECR/latest/userguide/docker-push-ecr-image.html.