**Documentation for Project AWS\_POCofServices\_Learnt**

Services used:

* AWS Lambda
* Api Gateway
* S3 bucket
* SNS
* SQS

\*Created a lambda function.

\*Created a Rest Api in AWS Api gateway and triggered lambda from it.

\*Used root user- credentials( so had access to all services)

\*Created SNS topic and SQS queue

\*Created an input class and created its object to store input data

\*Published this data (notification) to SNS topic (created inside SNSServices class)

\*Gave access permission to SNS for sending message SQS queues(by editing access policies) Following is the change in policy

1. {
2. "Statement": [
3. {
4. "Effect": "Allow",
5. "Principal": {
6. "Service": "sns.amazonaws.com"
7. },
8. "Action": "sqs:SendMessage",
9. "Resource": "arn:aws:sqs:us-east-2:123456789012:MyQueue",
10. "Condition": {
11. "ArnEquals": {
12. "aws:SourceArn": "arn:aws:sns:us-east-2:123456789012:MyTopic"
13. }
14. }
15. }
16. ]
17. }

\* SQS is subscriber for receiving SNS notification. For that in AWS console, for the SNS topic added the SQS queue as subscriber

\* Received message from SQS queue(function in SQSService class)

\* Created file and sent notification received from SQS queue

to S3 bucket(Created function in S3Bucket class)