Yesterday we learned SNS – Simple Notification Service and published messages to all subscriptions (email and sms)

Today, we learn SQS

What is Amazon SQS?

1. Amazon Simple Queue Service (Amazon SQS) offers a secure, durable, and available hosted queue that lets you integrate and decouple distributed software systems and components. Amazon SQS offers common constructs such as dead-letter queues and cost allocation tags.

Demo:

SQS

1. Login to aws.amazon.com
2. Navigate to SQS Simple Queue Service
3. Create Queue
4. Name: MyQueue
5. Click the “Create Queue” button
6. The Queue is created
7. Open the queue
8. Click “Send and receive message”
9. Top panel, you can use to send message
10. Send few messages
11. Now, in bottom panel, click “Poll messages”
12. Find the messages in the bottom, click the links to view the messages.

Now, you are able to create a SQS “Queue” and able to send and receive message

Send message button

Poll Message button

Now, lets integrate both SNS & SQS

1. Create a SQS Queue of type FIFO. Name of the queue is MyQueue.fifo
2. Click the create button
3. Create a SNS topic of type FIFO. Name of the topic is MyTopic
4. Click the create button

In SNS, we are going to create a Subscription of protocol: Amazon SQS

Select the arn of the SQS. If it is not showing, here, you can copy arn from SQS queue.

Create subscription

From SQS to SNS or directly create subscription at SNS topic and choose protocol as Amazon SQS

Public message in topic in SNS.

Goto SQS and “send or receive message” and poll messages

AWS Code Pipeline.

1. Git hub repository container .jar file
2. Elastic beanstalk sample project
3. Code pipeline
   1. Source git hub provider
   2. Deploy elastic beanstalk

What is S3?

S3 stands for Simple Storage Service

We know the following types of cloud:

Storage

Compute

Network

S3 comes under storage cloud.

Login to aws management console

Navigate to S3

The location of the file in bucket:-

s3://kalyan-ust-bucket-1/jenkins.war

aws cli command to download a file in aws s3 bucket:-

aws s3 cp s3://kalyan-ust-bucket-1/jenkins.war