# **Kinesis Lab**

* Login to AWS Console
* Change Region to N Virginia region as all the resources are available in region
* Click on CloudFormation
* Click on Create New Stack
  + Specify Template – Amazon S3 URL

<https://s3.amazonaws.com/kinesis-demo-bucket/amazon-kinesis-data-visualization-sample/kinesis-data-vis-sample-app.template>

* Click on Next
* Stack Name – MyKinesisStack
* Hit Next
* Hit Next
* Select the Checkbox – I acknowledge then Click on create Stack
* Then Click on Create Stack
* It takes around 10 minutes to create the stack
* Go over Events, outputs
* From Outputs 🡪 Click on URL and wait for couple of minutes to see the visualization
* Look for What is created as part of Stack
  + Go To EC2 instance (There is EC2 instance running which is data Producer and Data Consumer)
  + Go to Kinesis 🡪 Kinesis Streams and look for
    - shards and other info
    - Data Retention Period
    - Shard level Metrics
  + Click on Monitoring Section (Storing all this Data into DynamoDB)
  + Go to DynamoDB, You can see two tables created
  + Click on each table and look for Items
  + Finally Go To CloudFormation and Delete Stack