Final Project – AWS Training

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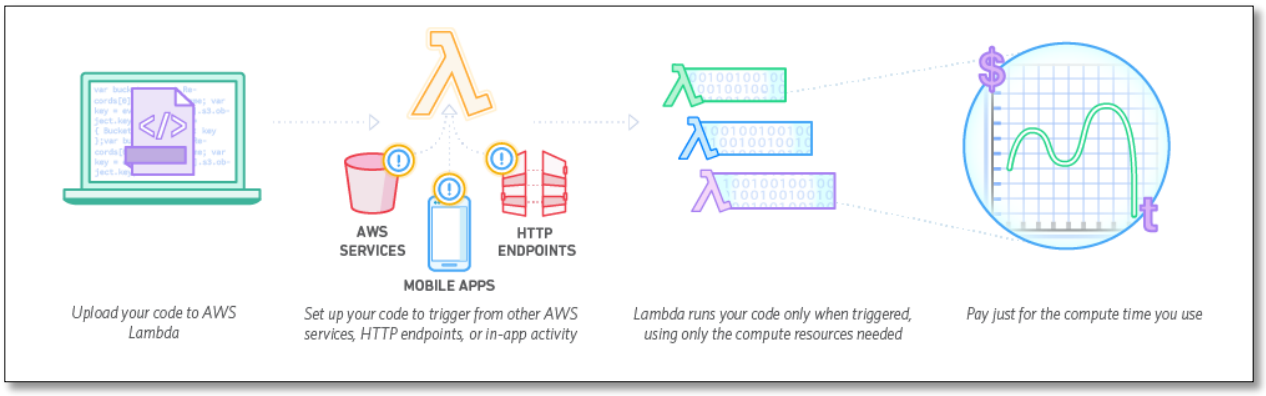
Serverless Architectures with Amazon DynamoDB and Amazon Kinesis Streams with AWS Lambda

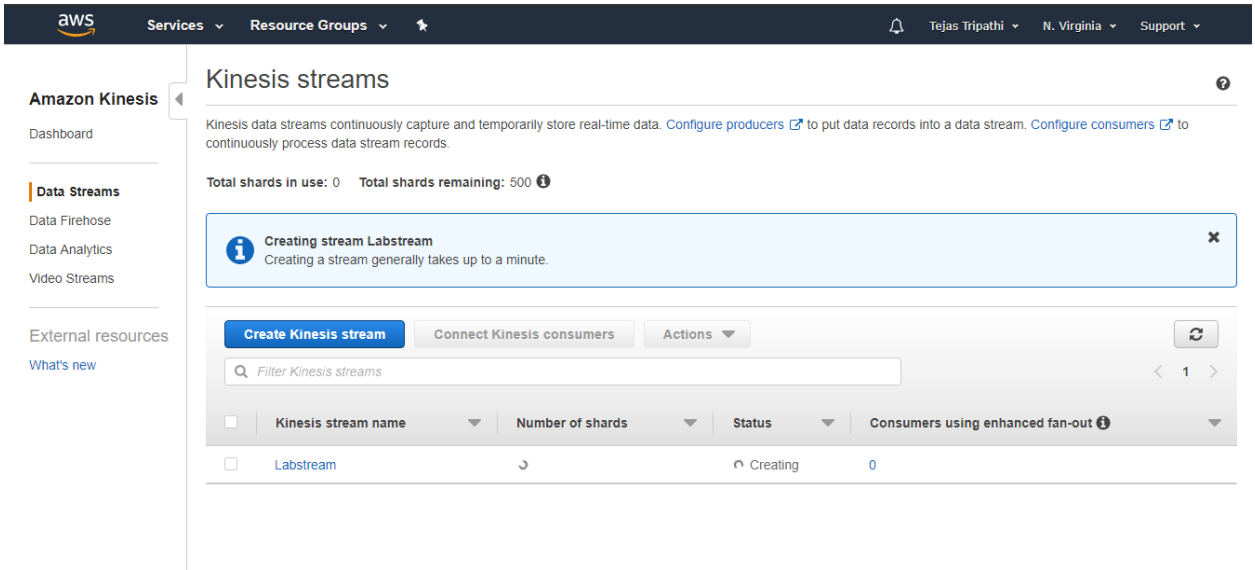
In this project we create a lambda function from blueprint, create an AWS Kinesis stream and trigger the function with data from our stream and monitor it.

Further we experience building a real-world application using Amazon DynamoDB and Lambda together for event-driven programming.



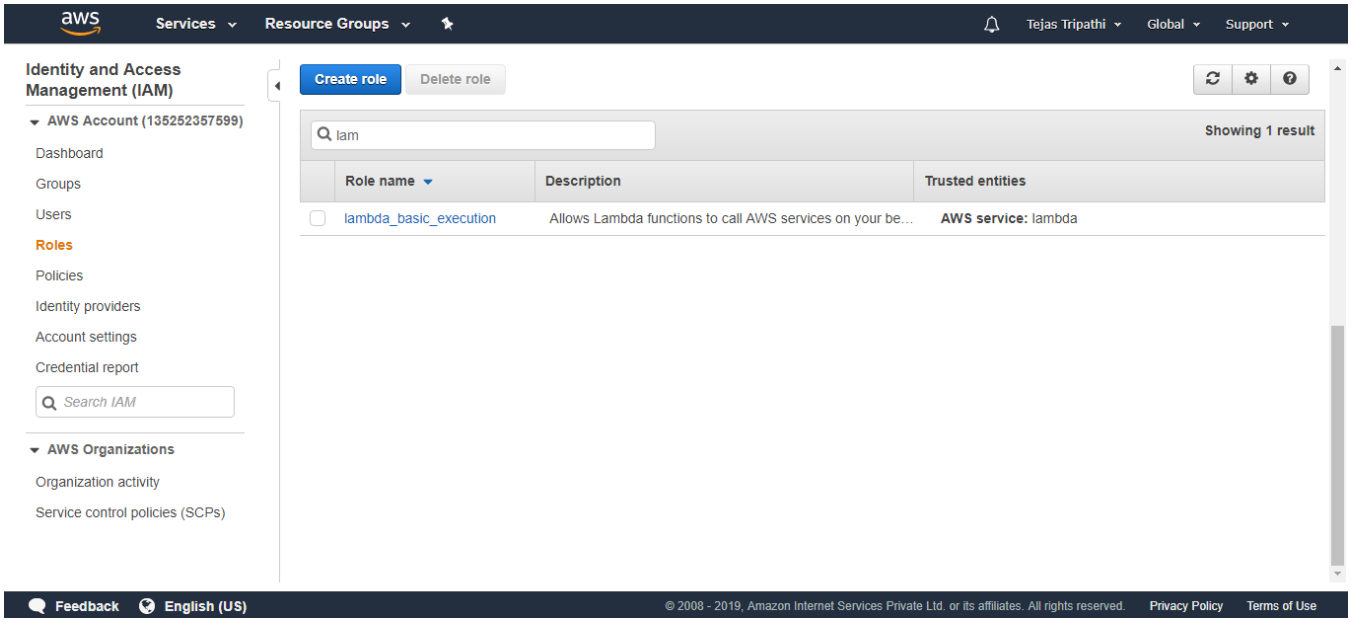
Step 1: Creating a Kinesis Stream

Here we create a 1 shard kinesis stream named Labstream

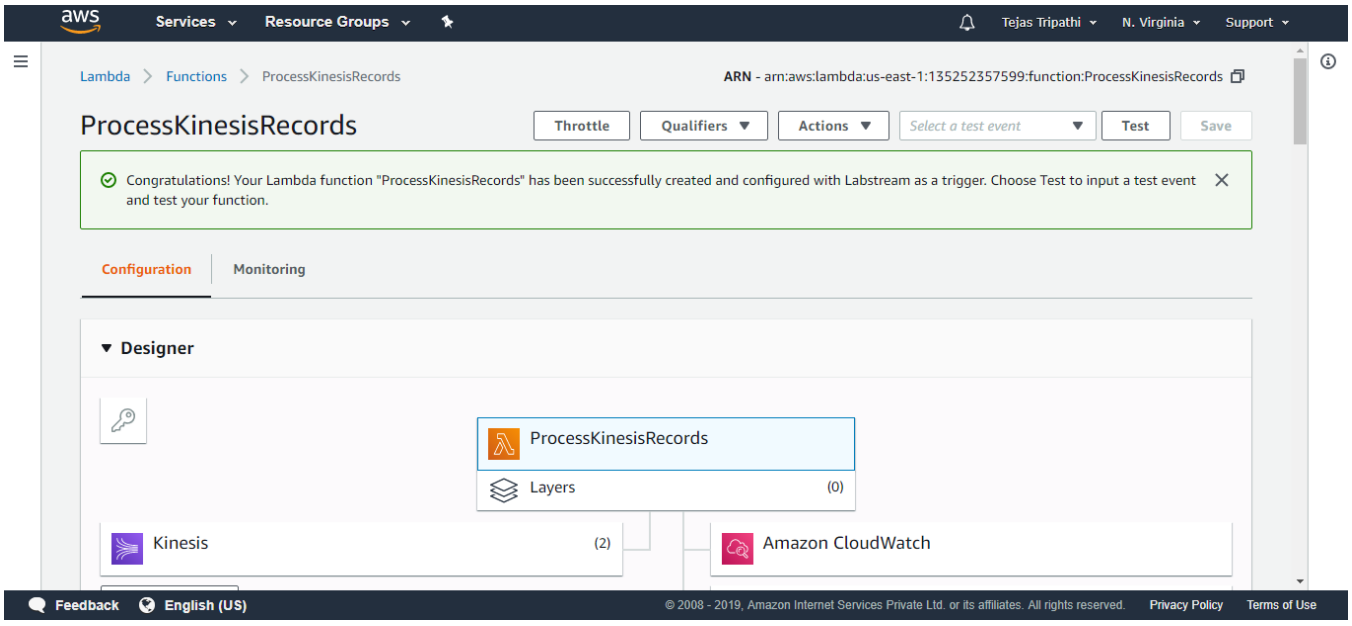


Step 2: Creating a Lambda Function

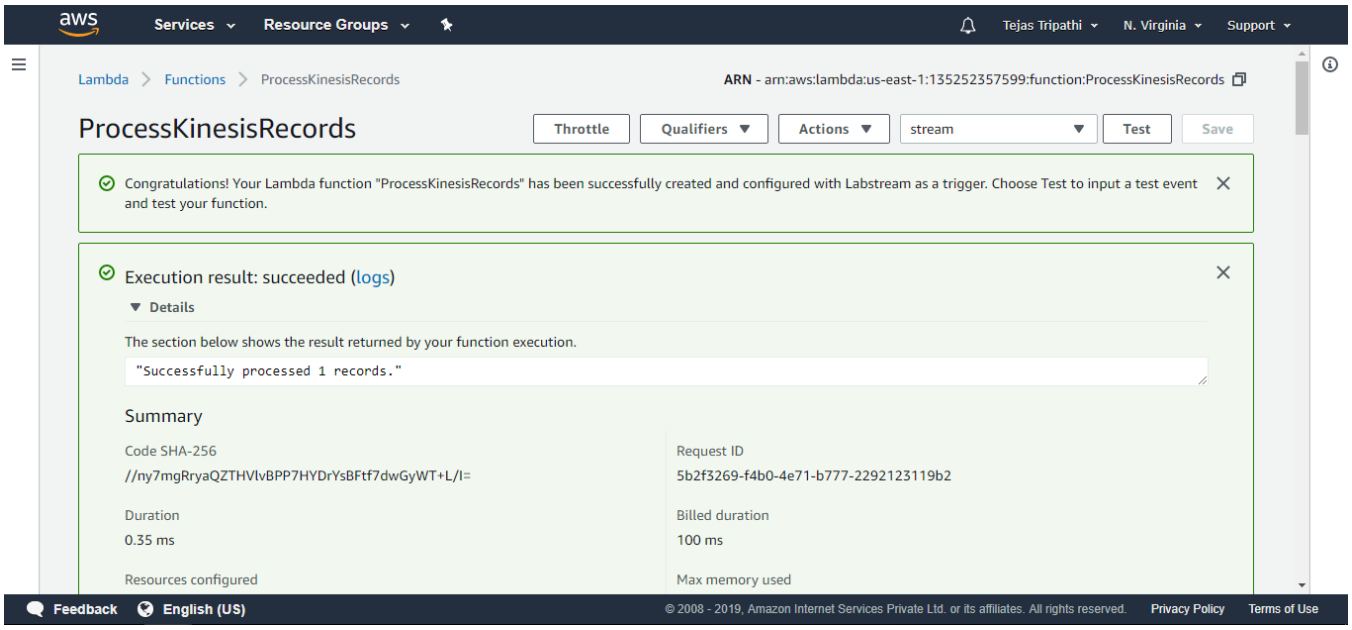
First we have create a lambda_execution role in IAM, giving full access to Kinesis and Cloudwatch.



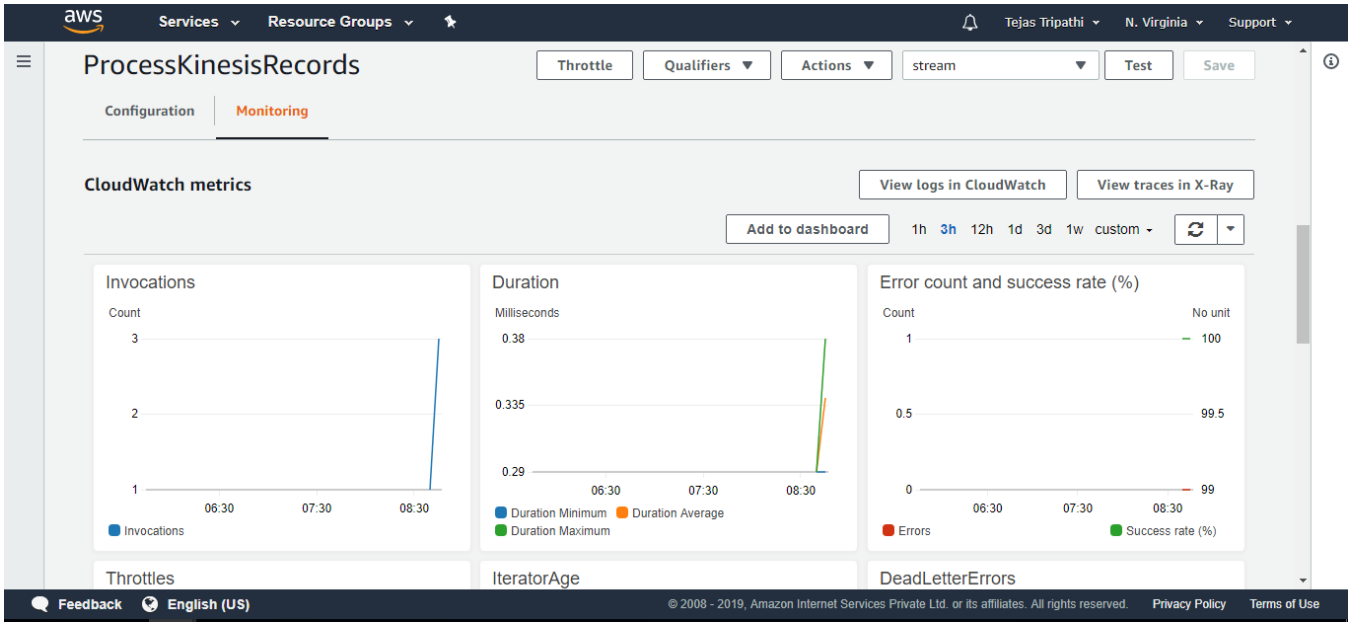
Next we create the Lambda function:



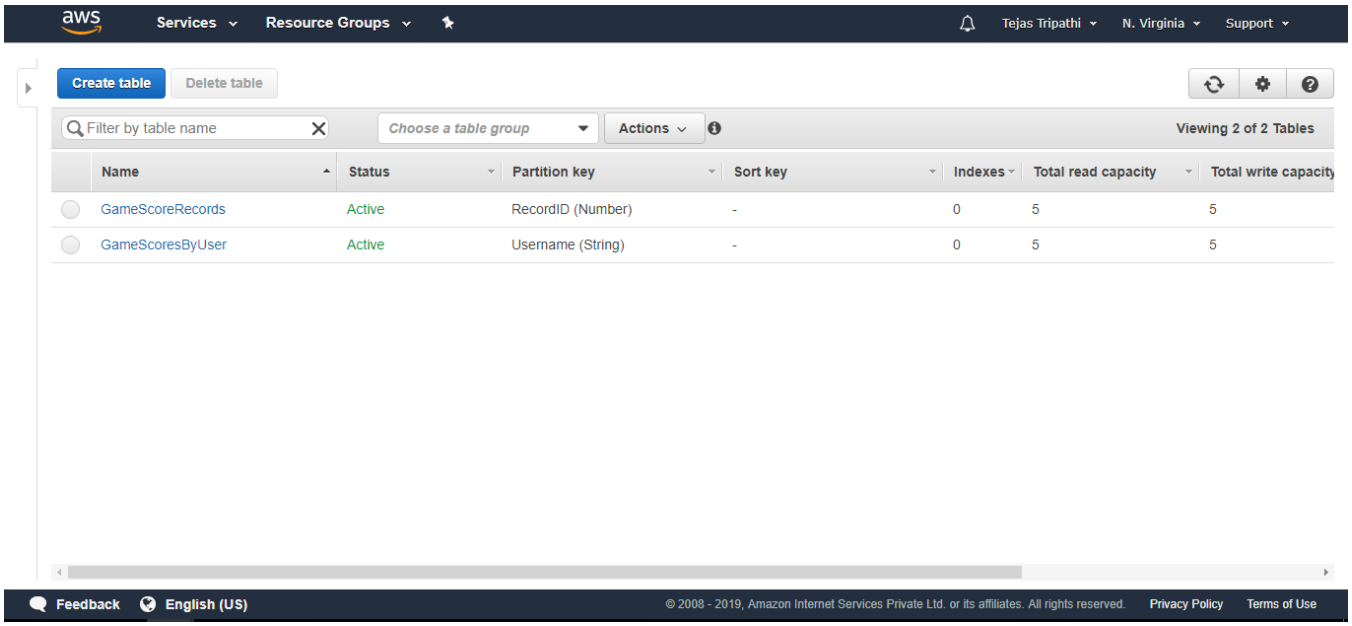
Step 3: Test the Function



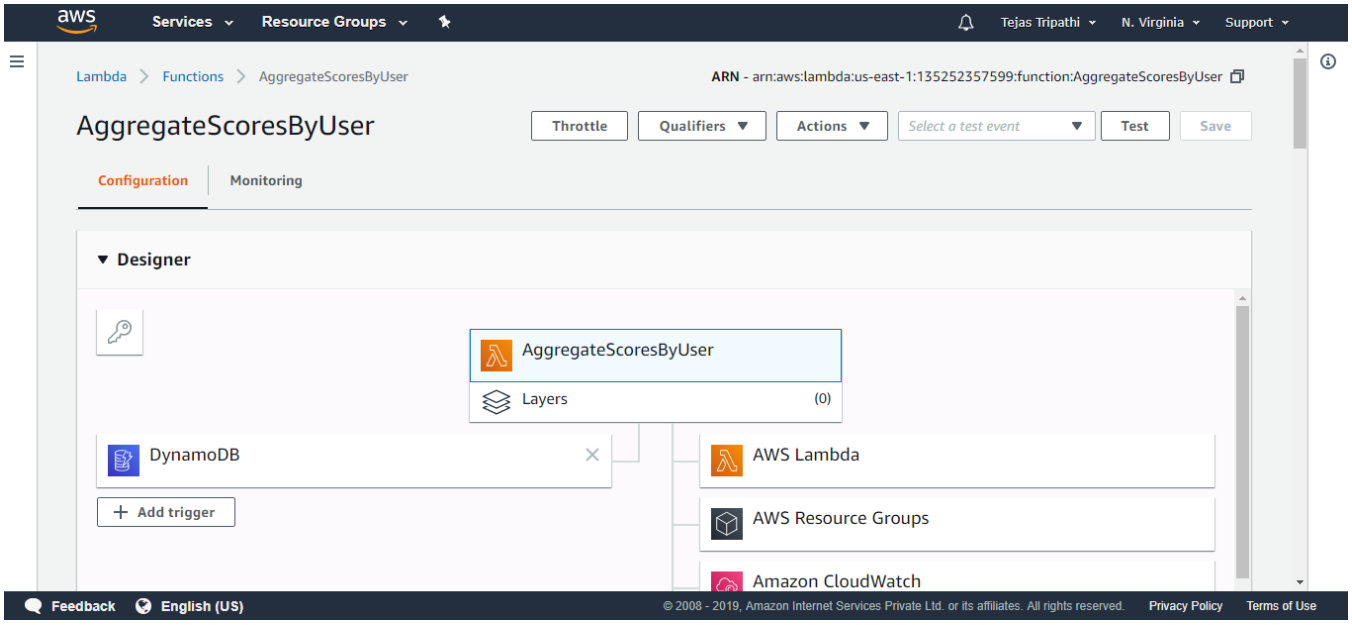
The metrics can also be monitored:



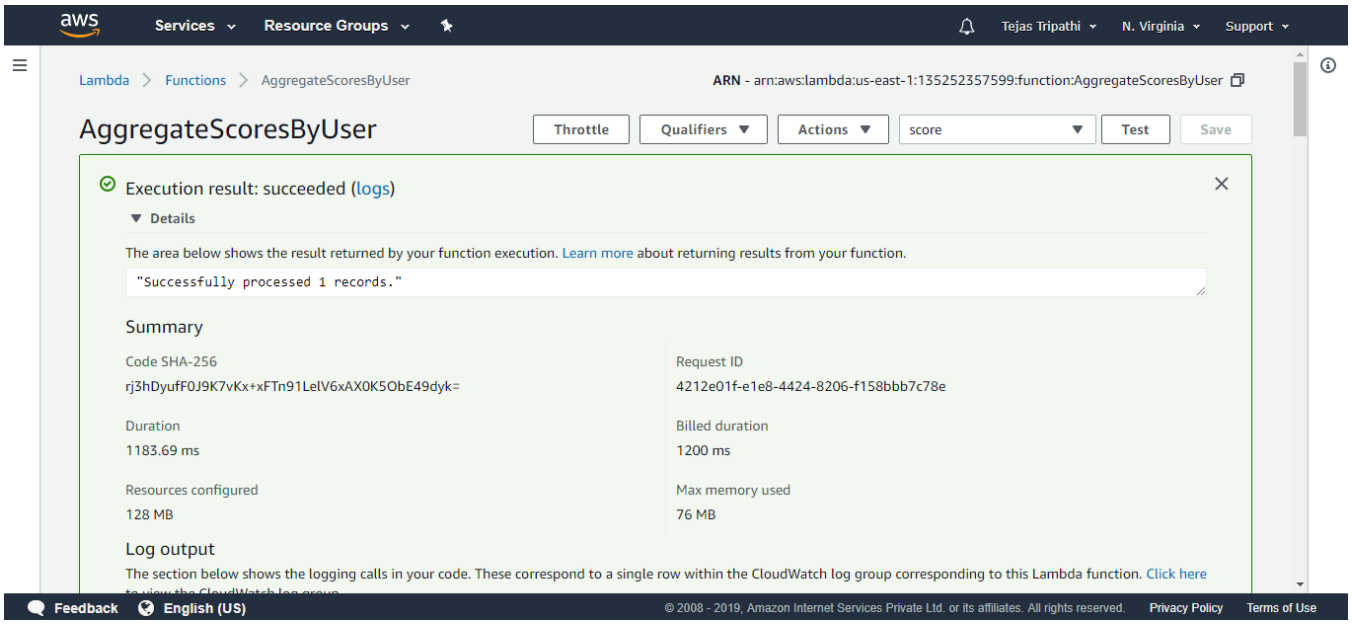
Step 4: Create tables in DynamoDB



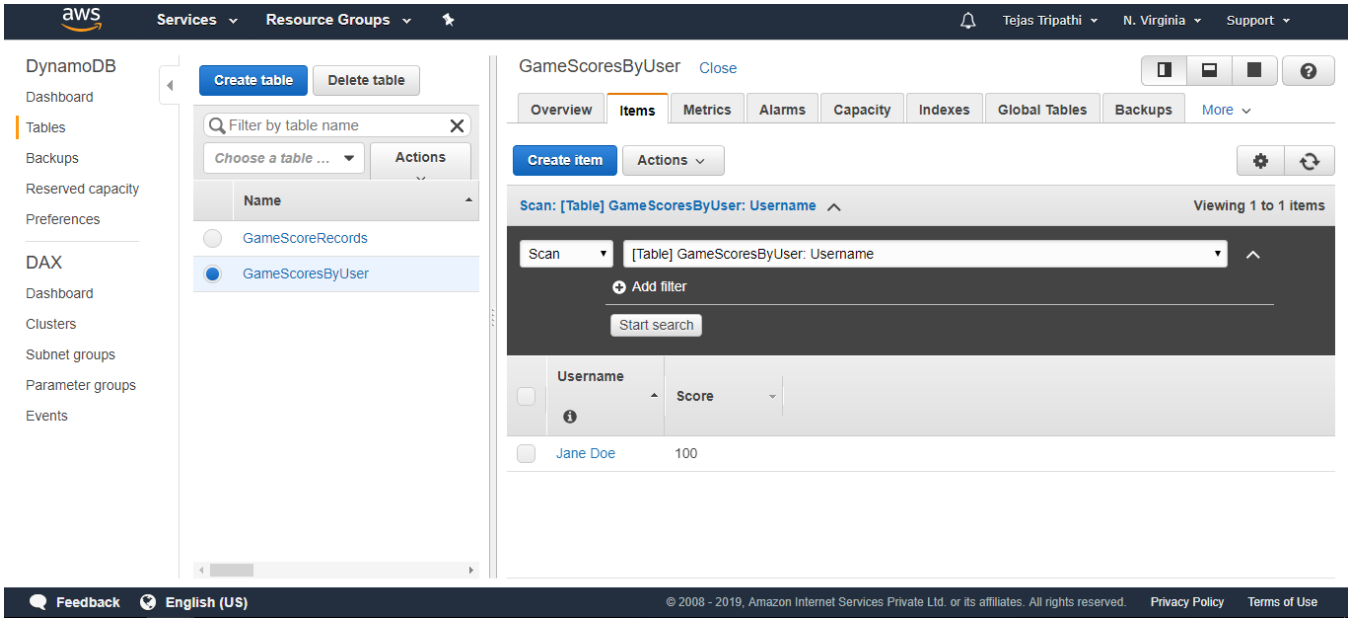
Step 5: Create a lambda function



Test the function:

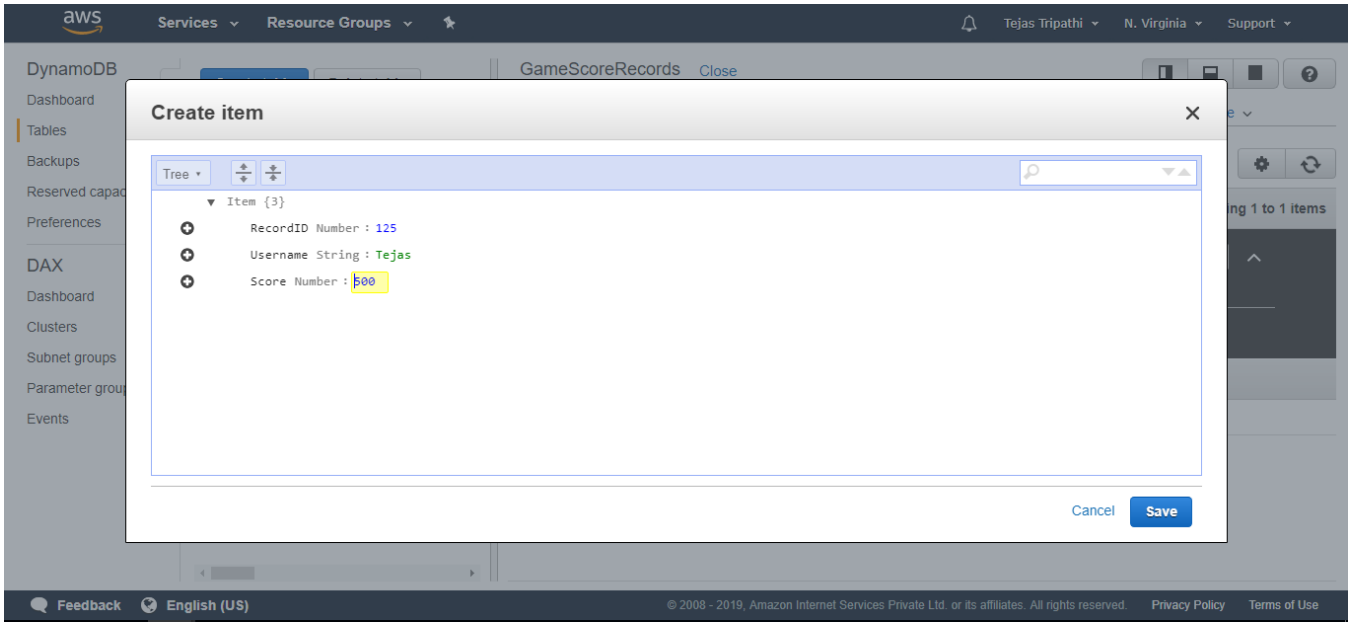


Verify the function (From DynamoDB):

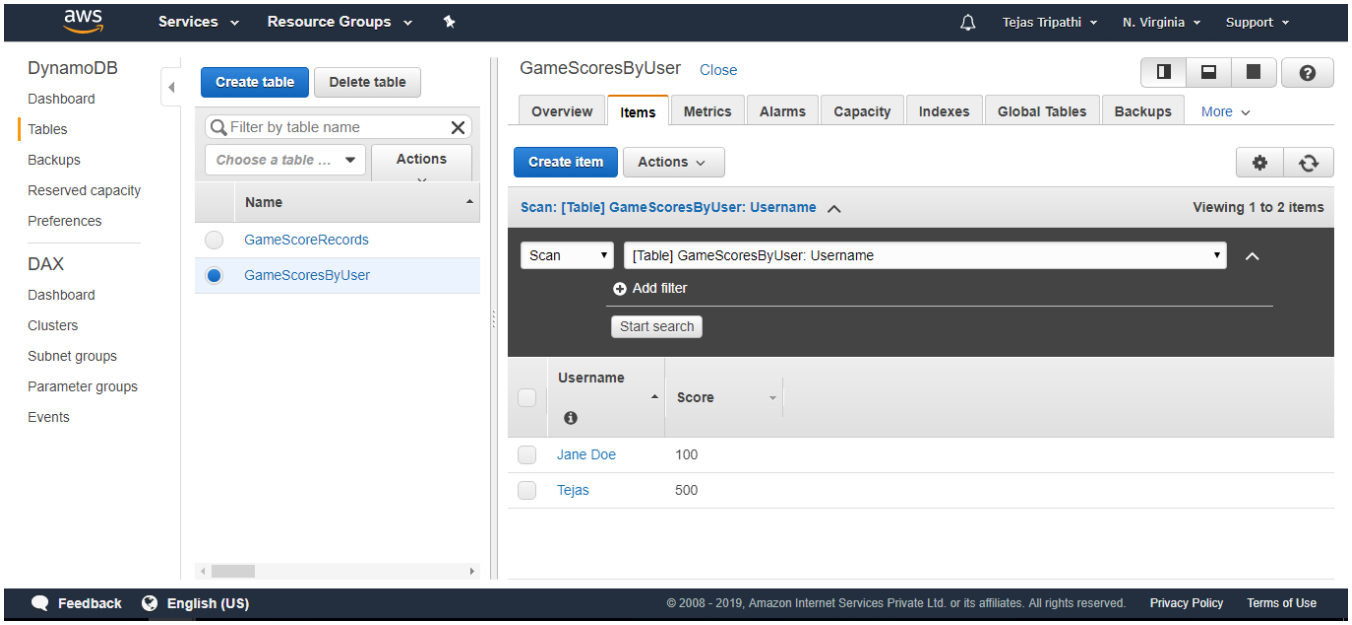


Step 6: Trigger the Update

If we add contents to the original table:



It will now also reflect in the functionally linked table:



Thank you!