**HKR**

POM.xml

**<?xml version="1.0" encoding="UTF-8"?>**

**<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"**

**xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">**

**<modelVersion>4.0.0</modelVersion>**

**<parent>**

**<groupId>org.springframework.boot</groupId>**

**<artifactId>spring-boot-starter-parent</artifactId>**

**<version>2.0.1.RELEASE</version>**

**<relativePath/>**

**</parent>**

**<groupId>com.hkr.test.aws</groupId>**

**<artifactId>AWS-DYNAMODB-New</artifactId>**

**<version>0.0.1</version>**

**<name>AWS-DYNAMODB-New</name>**

**<description>AWS-DYNAMODB</description>**

**<properties>**

**<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>**

**<project.reporting.outputEncoding>UTF-8</project.reporting.outputEncoding>**

**<java.version>1.8</java.version>**

**<camel.version>3.0.0-RC1</camel.version>**

**<citrus.version>2.7.4</citrus.version>**

**</properties>**

**<dependencies>**

**<dependency>**

**<groupId>org.springframework.boot</groupId>**

**<artifactId>spring-boot-starter-web</artifactId>**

**</dependency>**

**<dependency>**

**<groupId>org.springframework.boot</groupId>**

**<artifactId>spring-boot-starter-test</artifactId>**

**<scope>test</scope>**

**</dependency>**

**<dependency>**

**<groupId>org.apache.camel</groupId>**

**<artifactId>camel-spring-boot-starter</artifactId>**

**<version>${camel.version}</version>**

**</dependency>**

**<!-- <dependency>**

**<groupId>com.amazonaws</groupId>**

**<artifactId>aws-java-sdk-dynamodb</artifactId>**

**<version>1.12.118</version>**

**</dependency> -->**

**<dependency>**

**<groupId>org.apache.camel</groupId>**

**<artifactId>camel-aws-ddb</artifactId>**

**<version>${camel.version}</version>**

**</dependency>**

**</dependencies>**

**<build>**

**<plugins>**

**<plugin>**

**<groupId>org.springframework.boot</groupId>**

**<artifactId>spring-boot-maven-plugin</artifactId>**

**</plugin>**

**</plugins>**

**</build>**

**</project>**

src/main/resources

Application.properties

**server.port=8767**

**amazon.access.key=your access key**

**amazon.access.secret-key=your access secret key**

**amazon.region=your region**

AwsDynamodbNewApplication.java

**package com.hkr.test.aws;**

**import org.springframework.boot.SpringApplication;**

**import org.springframework.boot.autoconfigure.SpringBootApplication;**

**@SpringBootApplication**

**public class AwsDynamodbNewApplication {**

**public static void main(String[] args) {**

**SpringApplication.run(AwsDynamodbNewApplication.class, args);**

**}**

**}**

Camel Routes

**package com.hkr.test.aws.camel.routes;**

**import java.util.HashMap;**

**import java.util.Map;**

**import org.apache.camel.Exchange;**

**import org.apache.camel.Processor;**

**import org.apache.camel.builder.RouteBuilder;**

**import org.springframework.beans.factory.annotation.Value;**

**import org.springframework.stereotype.Component;**

**import com.amazonaws.services.dynamodbv2.model.AttributeValue;**

**@Component**

**public class AwsHKRDynamoDBRouteBuilder extends RouteBuilder {**

**@Value("${amazon.access.key}")**

**private String awsAccesskey;**

**@Value("${amazon.access.secret-key}")**

**private String awsSecretkey;**

**@Override**

**public void configure() throws Exception {**

**String dynamoDbEndpoint = String.format("aws-ddb://Student?accessKey=%s&secretKey=RAW(%s)&region=US\_EAST\_2&operation=PutItem",awsAccesskey,awsSecretkey);**

**// EIP >> Enterprice integration pattern**

**from("timer://foo?period=5s")**

**.log("it is working")**

**.process(new Processor() {**

**@Override**

**public void process(Exchange exchange) throws Exception {**

**Double auto = Math.random();**

**Map<String, AttributeValue> newBody = new HashMap();**

**newBody.put("firstName", new AttributeValue("Suresh"));**

**newBody.put("studentID", new AttributeValue(auto.toString()));**

**exchange.getIn().setHeader("CamelAwsDdbItem", newBody);**

**}**

**})**

**.to(dynamoDbEndpoint)**

**.log("Successfully inserted into DynamoDB table")**

**;**

**;**

**}**

**}**