

SDP-4

Build a Serverless Web Application Project on AWS Cloud to POST & GET kluniversity employee details with email id.

INTRODUCTION

To build complete end-to-end serverless web application in AWS cloud using API gateway, Lambda function, DynamoDB and S3.

The only prerequisite for this course is an AWS free tier account. You don't need to have any prior experience on any of the AWS services

FLOW OF THE PROJECT DEPLOYMENT

Employee web application : AWS S3 Bucket, Static WebHosting

Get and Post employee details : API Gateway

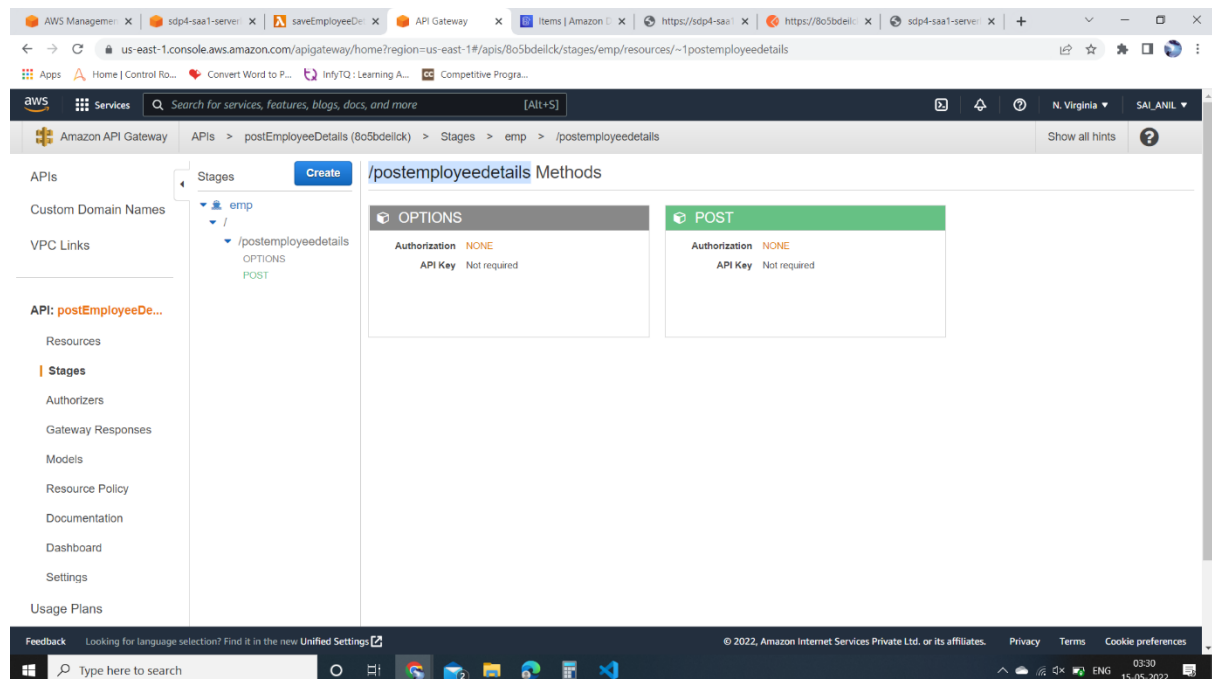
Test REST Api : Postman api platform(free login)

Employee Business Logic : AWS Lambda service

Store employee details : AWS DynamoDB service

API Requests deployment

Postemployeeetails:

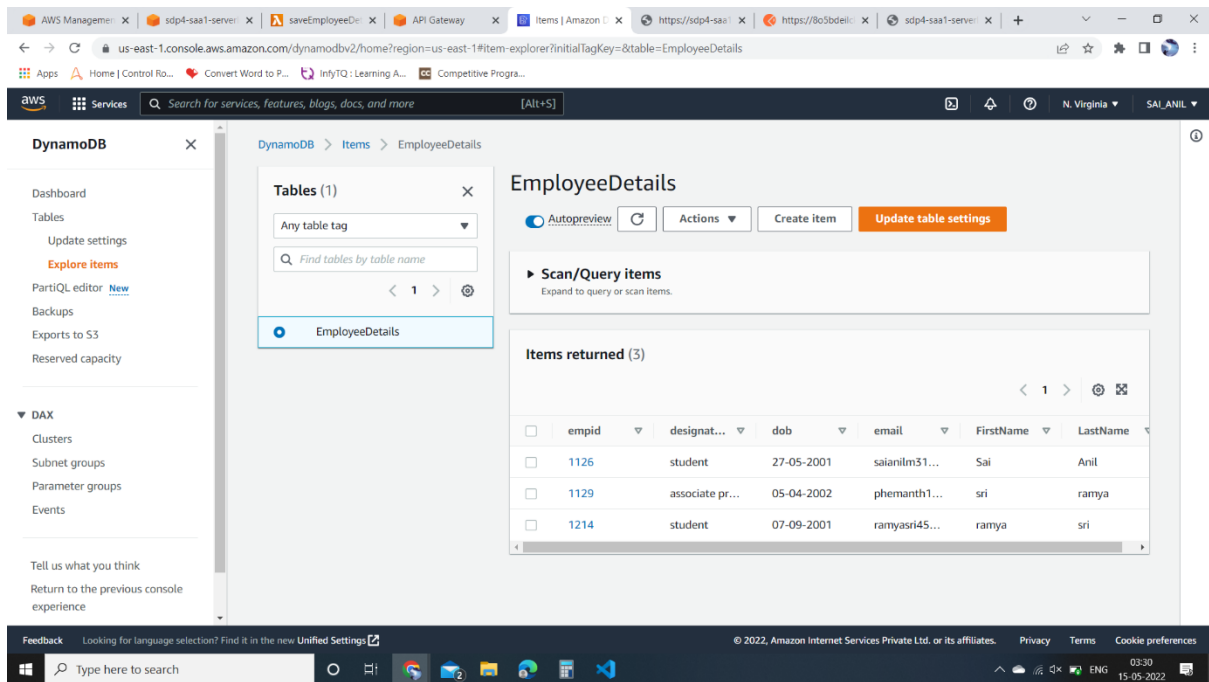


Testing

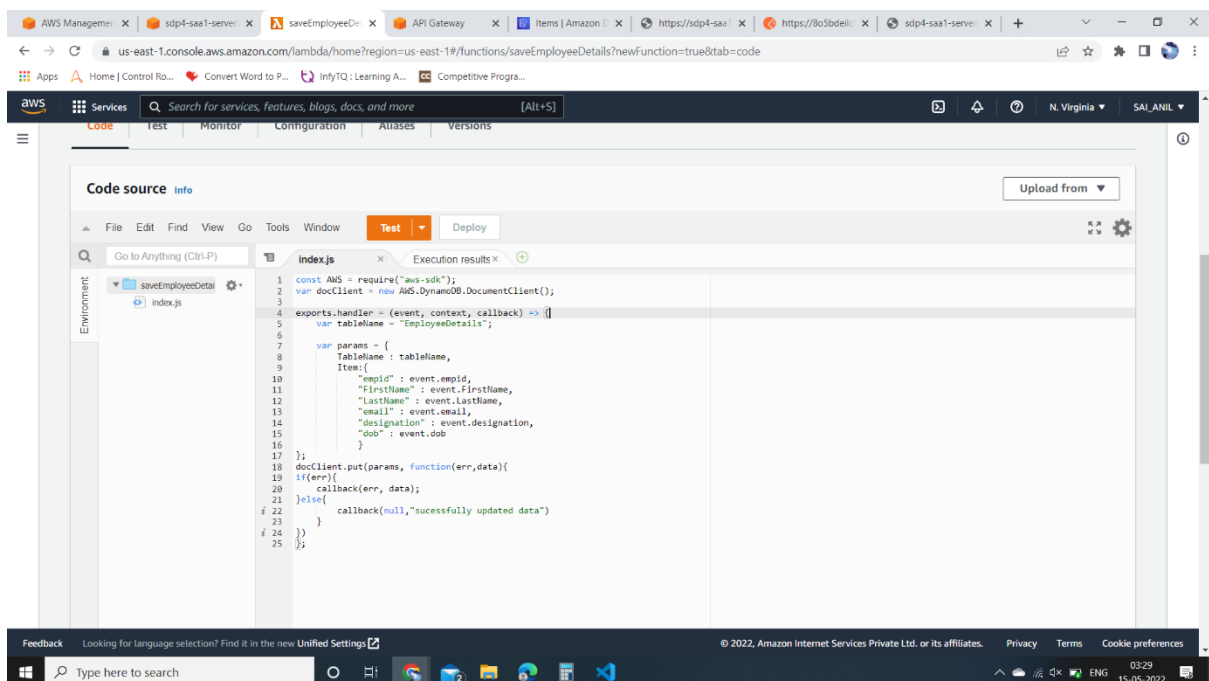
The screenshot shows the Postman application interface. The top bar includes navigation links like Home, Workspaces, API Network, Reports, and Explore. The main workspace is titled 'My Workspace' and shows a collection of requests. The selected request is a POST request to the endpoint `https://805bdeick.execute-api-us-east-1.amazonaws.com/emp/postemployeeDetails`. The request body is a JSON object with the following fields: `empid` (1129), `dob` (05-04-2002), `designation` (associate professor), `firstName` (sri), `email` (phoenix1456@gmail.com), and `lastName` (ramya). The response is a JSON object with the field `statusCode` (200). The status bar at the bottom shows 'Status: 200 OK', 'Time: 4.96 s', and 'Size: 349 B'.

The screenshot shows the Postman application interface. The top bar includes navigation links like Home, Workspaces, API Network, Reports, and Explore. The main workspace is titled 'My Workspace' and shows a collection of requests. The selected request is a GET request to the endpoint `https://igeg769ys8.execute-api-us-east-1.amazonaws.com/Dev/getemployeebyemail`. The request body is a JSON object with the field `email` (phoenix1456@gmail.com). The response is a JSON object with the field `statusCode` (200). The status bar at the bottom shows 'Status: 200 OK', 'Time: 609 ms', and 'Size: 435 B'.

33% completed
Response body
This is the response returned by the server.
Next



Triggering a lambda function:



Front end website

Employee Registration Form

ID: 1123

First Name: Siva Rao

Last Name: Podisetti

Email: nagamani@gmail.com

Designation: professor

DOB: 08-09-1978

Submit get details

Get Employee Details

Search Key(empid): 1458

First Name: Pragathi
Last Name: kumari
empid: 1458
dob: 20-12-1999
designation: student

GetCustomerDetails