How to setup DynamoDB & update Lambda IAM roles using CDK

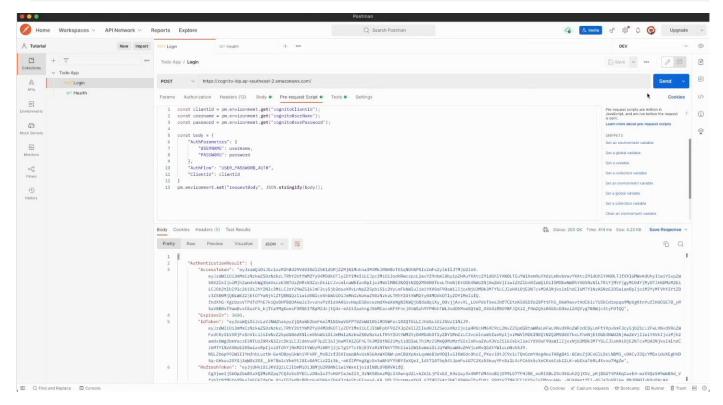




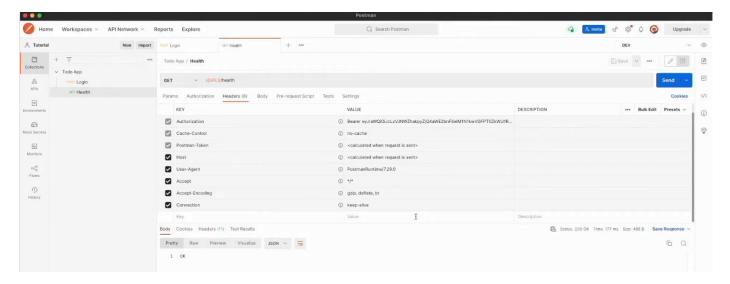
401 views Jul 13, 2022 AWS Cloud Development Kit (CDK) crash course

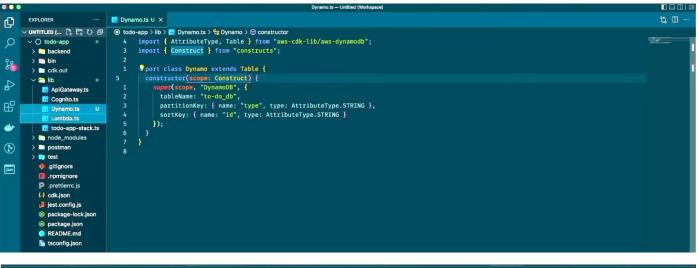
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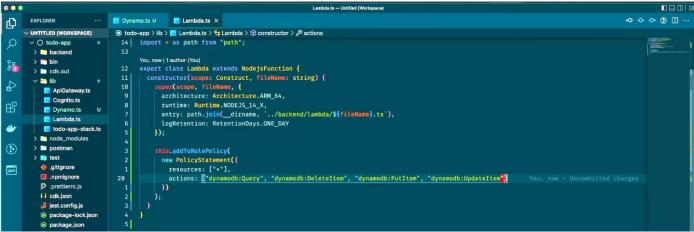
- 00:00 Introduction and recap
- 01:00 Update the CDK code for Dynamo and Lambda
- 04:25 Go through the CDK code and deploy to AWS

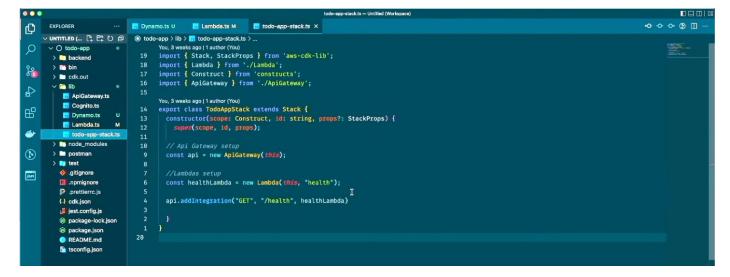


Let us see how to set up a database for our backend system with one endpoint using DynamoDB

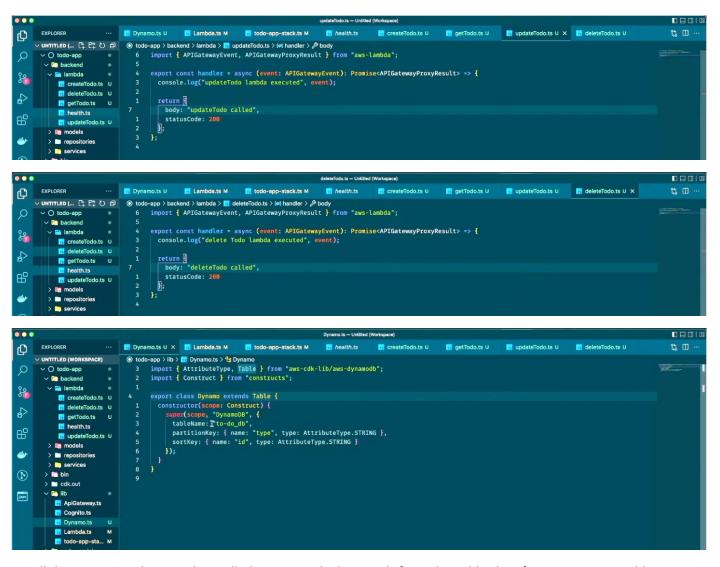




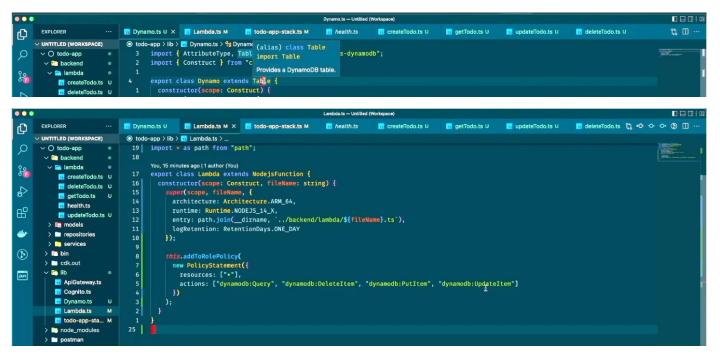




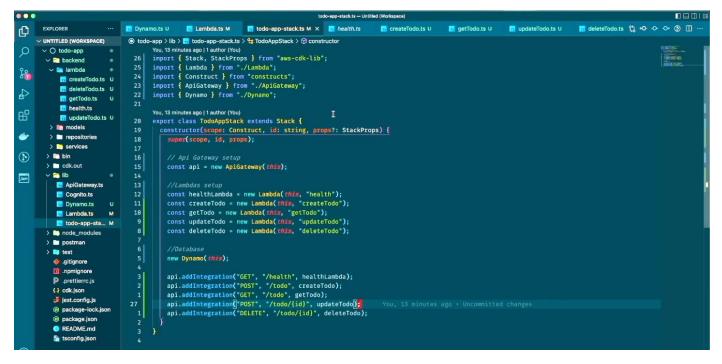




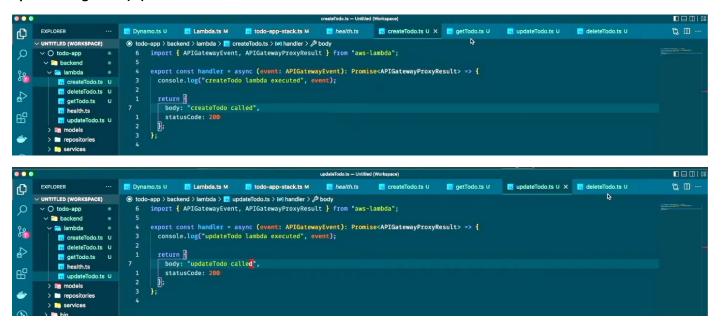
Recall that we created a new class called Dynamo which extends from the Table class for a DynamoDB table. We give a table name and we intend to make queries using a combination of the **partitionKey** and the **sortKey**.

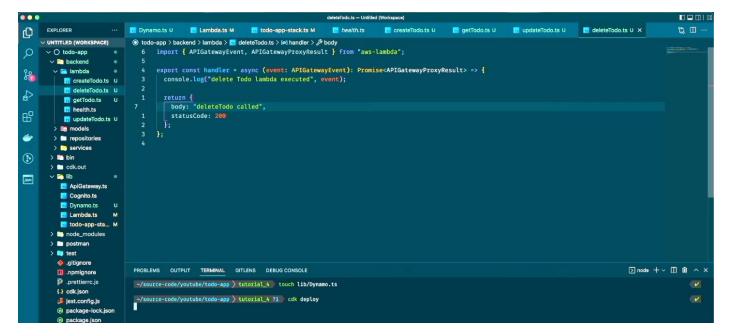


The CDK will use this Lambda function to create an IAM policy for us

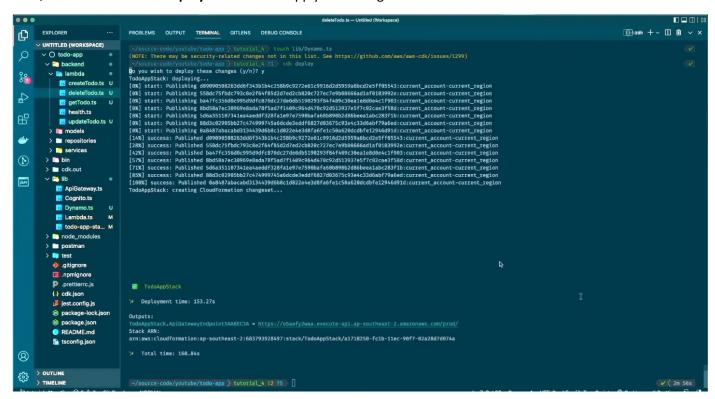


In our main stack, we created an API Gateway using **new ApiGateway(this)** and then initialized our database with **new Dynamo(this)**, we then created 4 new Lambda functions and added the lambdas to the API Gateway using the **api.addIntegration(...)**.

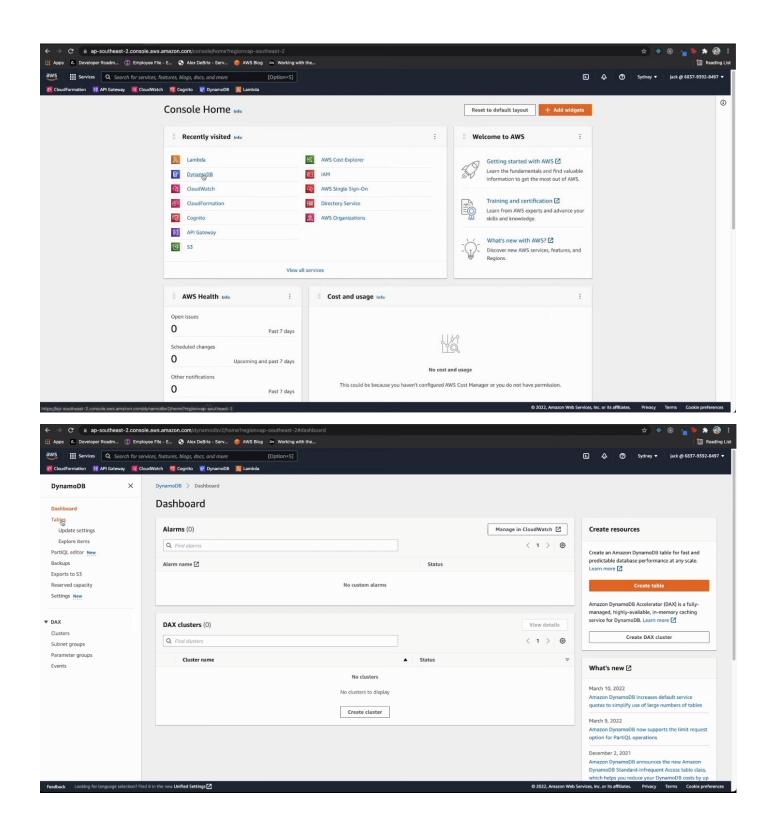


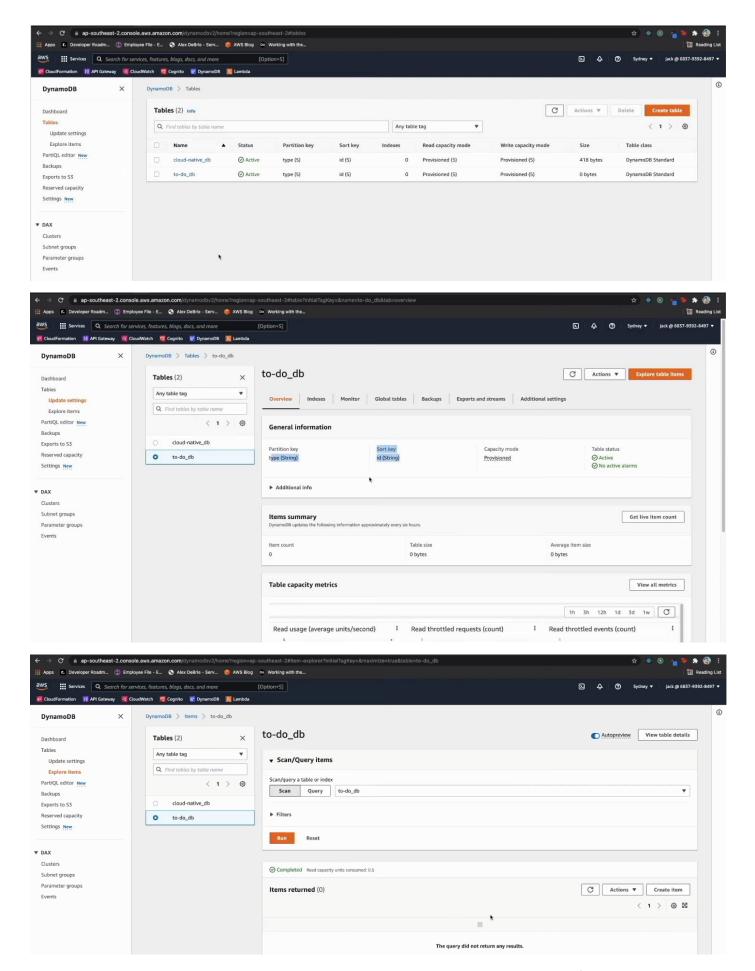


Next, we will use the cdk deploy command to apply this change to our CloudFormation stack.



Next, let's log into the AWS console to see the results





There are no documents in the created DynamoDB table yet. Next, let us check the Lambda functions the CDK created

