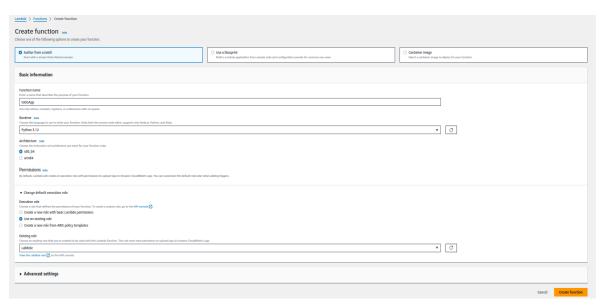
2. Creating a Serverless API

Objective: Develop a serverless API using AWS Lambda and API Gateway. Approach:

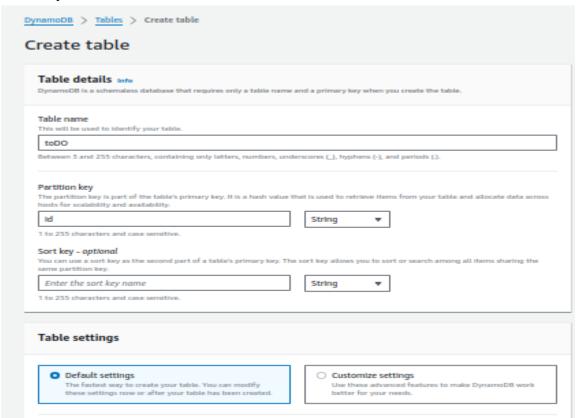
- **Define API:** Design a simple RESTful API (e.g., for a todo list application).
- Lambda Functions: Create Lambda functions for each API method (GET, POST, PUT, DELETE).
- **API Gateway Setup:** Use API Gateway to set up the API endpoints, connecting each endpoint to the corresponding Lambda function.
- **Testing**: Test the API using tools like Postman or AWS API Gateway test functionality.

Goal: Gain hands-on experience in building and deploying a serverless API, understanding the integration between Lambda and API Gateway.

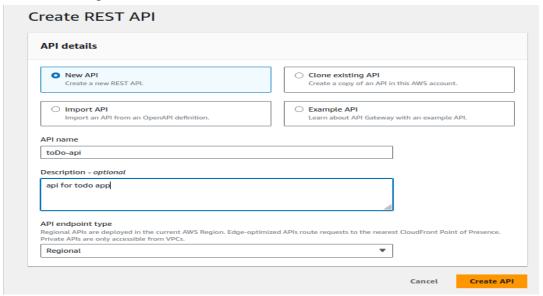
• Create lambda Function



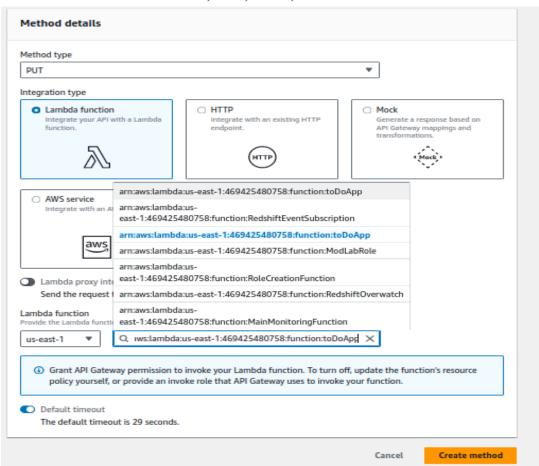
• Create DynamoDB table



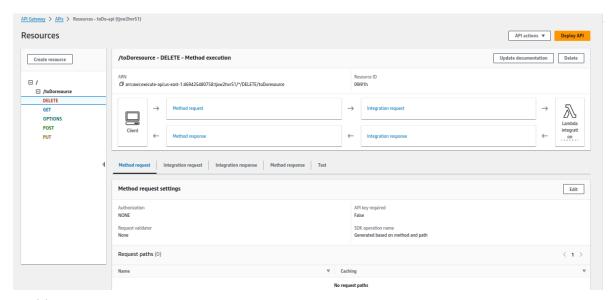
Create REST api



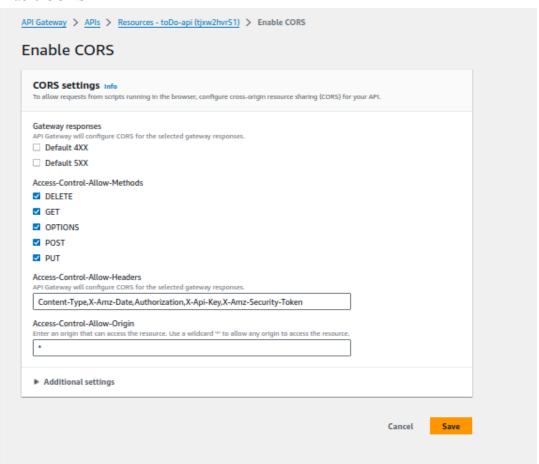
Create Resource and create PUT, GET, POST, DELETE method



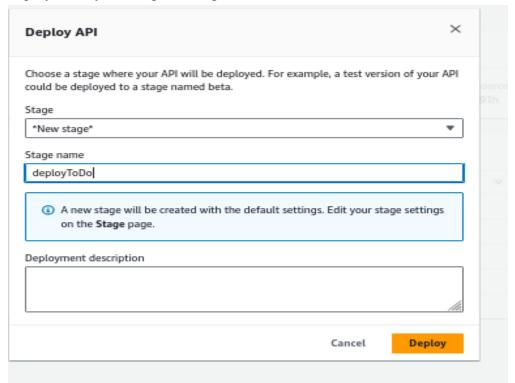
Method list



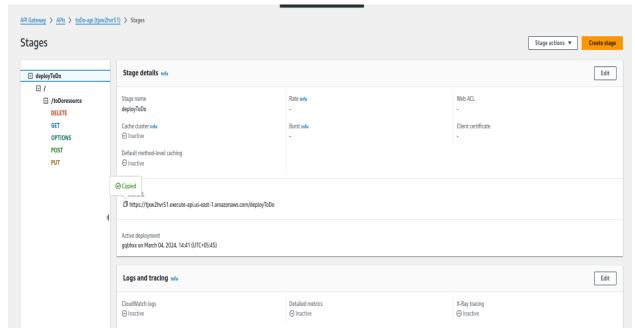
• Enable CORS



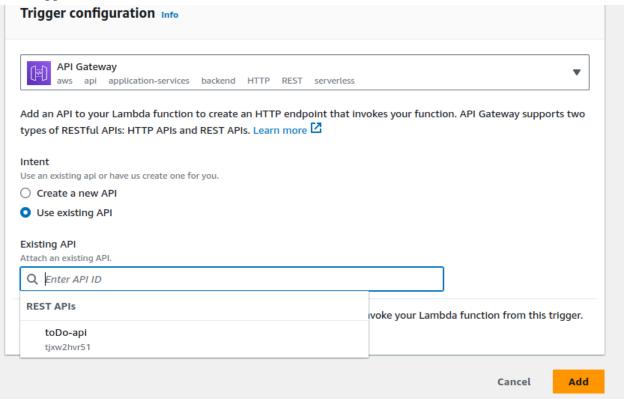
• Deploy API by creating new stage



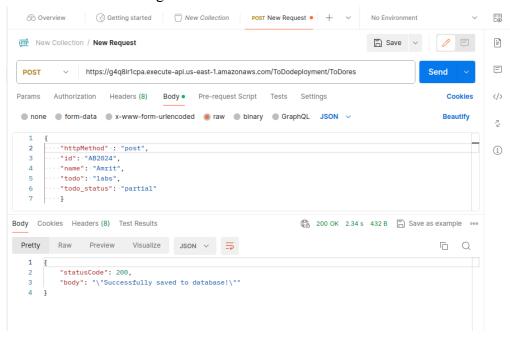
From resource copy api Invoke url for particular method



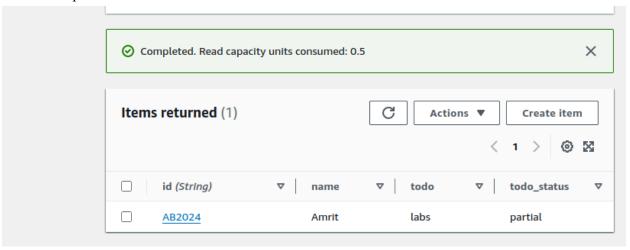
Add trigger



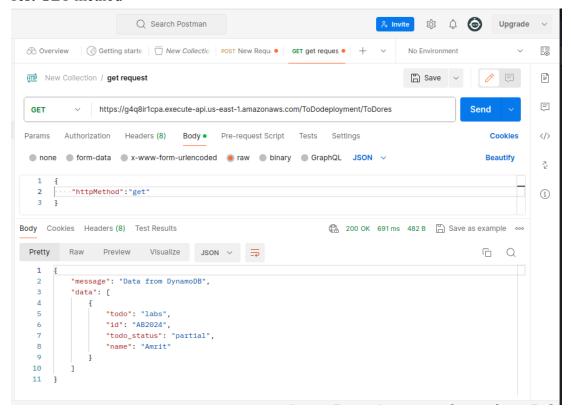
• Test POST method using Postman



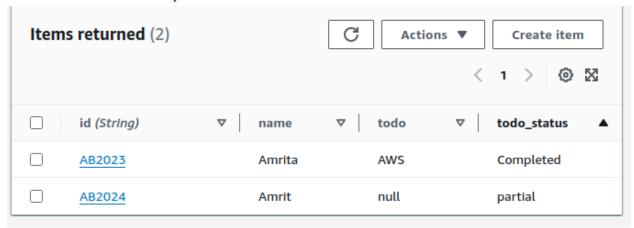
• Table after post



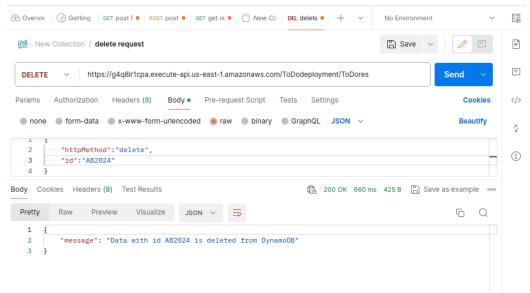
• Test GET method



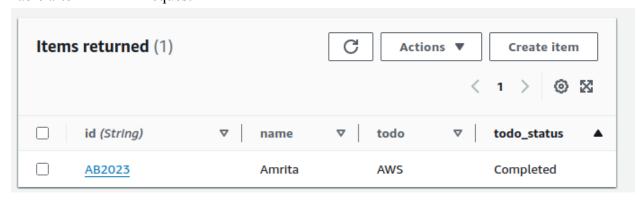
• Table Before DELETE request



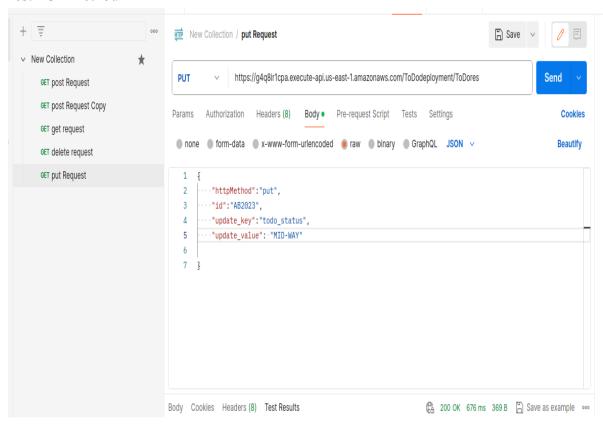
• Test DELETE request



• Table after DELETE request



• Test PUT method



• After PUT method /Updated table

