AWS AppSync

- 250,000 query or data modification operations (free tier)
- 250,000 real-time updates (free tier)
- Serverless, function-less, integrations
- Integrates with Cognito


```graphql
schema.graphql

type Query {

getRecipe(id: ID!): String @aws_cognito_user_pools
}


type Mutation {
deleteRecipe(id: String!): Recipe @aws_cognito_user_pools
}


type Recipe {
id: ID!
title: String!
description: String!
coverImage: String!
ingredientsImage: String!
servings: Int!
owner: String!
ingredients: [Ingredient]!
steps: [Step]!
}
```

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```js
import { util } from '@aws-appsync/utils';

export function request(ctx) {
  return {
    operation: 'GetItem',
    key: util.dynamodb.toMapValues({ id: ctx.args.id }),
  };
}

export function response(ctx) {
  // Check if the recipe belongs to the user
  if (ctx.result.owner !== ctx.identity.sub) {
    util.unauthorized();
  }
  return ctx.result;
}
```