

AWS AppSync

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



TS create-appsync-api.ts

```
const api = new awsAppsync.GraphQLApi(scope, 'RecipeAPI', {
  name: `RecipeAPI`,
  schema: SchemaFile.fromAsset(path.join(
    __dirname, './graphql/schema.graphql'
  )),
  authorizationConfig: {
    defaultAuthorization: {
      authorizationType: AuthorizationType.USER_POOL,
      userPoolConfig: {
        userPool: props.userpool,
      },
    },
    additionalAuthorizationModes: [
      { authorizationType: AuthorizationType.IAM }
    ],
  },
});
```

codegen.sh

```
npx @aws-amplify/cli codegen
```

queries.ts

```
export const listRecipes = /* GraphQL */ `
  query ListRecipes {
    listRecipes {
      id
      coverImage
      title
      description
      servings
      owner
      ingredientsText
      stepsText
    }
  }
`;
```

listRecipes.ts

```
await API.graphql({
  query: listRecipes,
}) as GraphQLResult<ListRecipesQuery>
```