

AWS Amplify



Build full-stack web and mobile apps in hours. Easy to start, easy to scale



Amplify's open-source framework includes set of libraries, UI components, and a command line interface (CLI) to build an app backend and integrate it with iOS, Android, Web, and React Native apps.

AWS Amplify consists of a set of tools and services (web app and static website hosting) to accelerate the development of mobile and web applications on AWS.



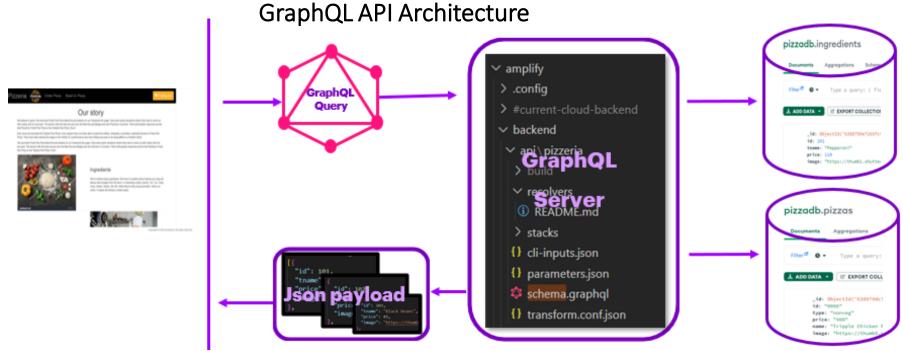


The framework leverages a core set of AWS Cloud Services to offer capabilities including offline data, authentication, analytics, push notifications, and bots at high scale. All the infrastructure Amplify provisions for you uses "Serverless" technologies (S3, Lambda, AppSync, DynamoDB, etc.) these services are built to scale automatically



GraphQL





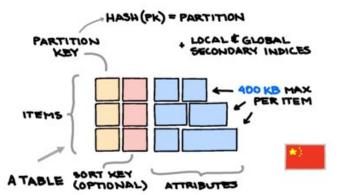
AWS DynamoDB

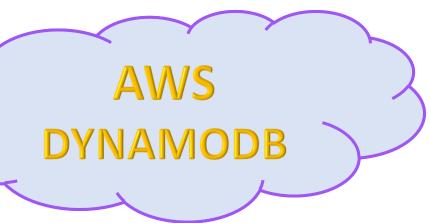
ESSENTIALS

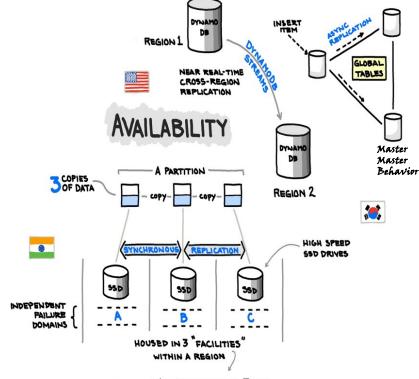
KEY-VALUE OR DOCUMENT STORE

PARTITIONS HOLD UP TO 10 GB

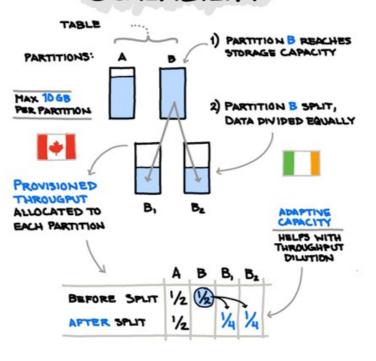




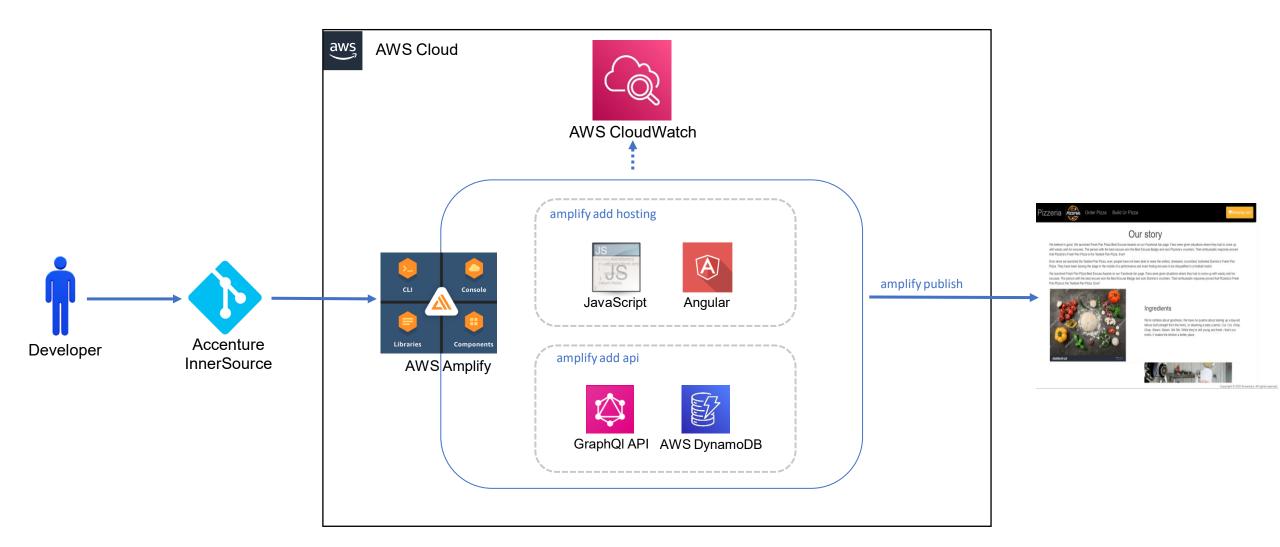




SCALABILITY



Building Modern Web Application



Amplify Commands

npm install -g @aws-amplify/cli npm install --save aws-amplify @awsamplify/ui-angular

amplify configure

C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria>amplify configure Follow these steps to set up access to your AWS account:

Sign in to your AWS administrator account:

https://console.aws.amazon.com/

Press Enter to continue

Specify the AWS Region

region: us-east-1

Specify the username of the new IAM user:

user name:

Complete the user creation using the AWS console

ttps://console.aws.amazon.com/iam/home?region=us-east-1#/users\$new?step=1 policy%2FAdministratorAccess-Amplify

Press Enter to continue

Enter the access key of the newly created user:

accessKevId: **************

secretAccessKey: *******************************

his would update/create the AWS Profile in your local machine

Profile Name: vidyakey

uccessfully set up the new user.

amplify init

```
C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria>amplify init
Note: It is recommended to run this command from the root of your app
  Enter a name for the project pizzeriaamplify
Project information
  Name: pizzeriaamplify
  Environment: dev
  Default editor: Visual Studio Code
  App type: javascript
  Javascript framework: angular
  Source Directory Path: src
  Distribution Directory Path: dist
  Build Command: npm.cmd run-script build
  Start Command: ng serve
 Deployed root stack pizzeriaamplify [ -----
  Help improve Amplify CLI by sharing non sensitive configurations on failures (y/N)
  Initialized provider successfully.

☑ Initialized your environment successfully.

 "amplify status" will show you what you've added already and if it's locally configure
"amplify add <category>" will allow you to add features like user login or a backend A 
"amplify push" will build all your local backend resources and provision it in the clo
 "amplify console" to open the Amplify Console and view your project status
 "amplify publish" will build all your local backend and frontend resources (if you have
 Try "amplify add api" to create a backend API and then "amplify push" to deploy everyth
```

Amplify Commands

AWS Amplify CLI

amplify add api

```
C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria>amplify add api

? Select from one of the below mentioned services: GraphQL
? Here is the GraphQL API that we will create. Select a setting to edit or continue Continue
? Choose a schema template: Single object with fields (e.g., "Todo" with ID, name, description)

⚠ WARNING: your GraphQL API currently allows public create, read, update, and delete access to all models via an API Key. To configure for authorization rules, review: https://docs.amplify.aws/cli/graphql/authorization-rules

Edit your schema at C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\backend\api\pizzeriaamplify\schema.graphql or place in a directory at C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\backend\api\pizzeriaamplify\schema
✓ Do you want to edit the schema now? (Y/n) · yes

Edit the file in your editor: C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\pizzeria\amplify\backend\api\pizzeriaamplify\schema.graphql
✓ Successfully added resource pizzeriaamplify locally
```

amplify hosting add

```
C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria>amplify hosting add

\[
\script{Select the plugin module to execute} \cdot \text{Hosting with Amplify Console (Managed hosting with custom domains, Continuous deployment)} \]

? Choose a type Manual deployment

You can now publish your app using the following command:

Command: amplify publish
```

Amplify Commands

amplify push

C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria>amplify push | Fetching updates to backend environment: dev from the cloud.

A WARNING: your GraphQL API currently allows public create, read, update, and delete access to all models DY authorization rules, review: https://docs.amplify.aws/cli/graphql/authorization-rules

/ Building resource api/pizzeriaamplify GraphQL schema compiled successfully.

Edit your schema at C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\backend\api\pizzeriaamp in a directory at C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\backend\api\pizzeriaampl V Successfully pulled backend environment dev from the cloud.

Building resource api/pizzeriaamplify

▲ WARNING: your GraphQL API currently allows public create, read, update, and delete access to all models DY authorization rules, review: https://docs.amplify.aws/cli/graphql/authorization-rules

☑ GraphQL schema compiled successfully.

Edit your schema at C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\backend\api\pizzeriaamp in a directory at C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\backend\api\pizzeriaampl

Current Environment: dev

Category	Resource name	Operation	Provider plugin
Api	pizzeriaamplify	Create	awscloudformation

[?] Are you sure you want to continue? Yes

amplify publish

\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria>amplify publish Fetching updates to backend environment: dev from the cloud.

WARNING: your GraphQL API currently allows public create, read, update, and delete authorization rules, review: https://docs.amplify.aws/cli/graphql/authorization-rules.

Fetching updates to backend environment: dev from the cloud. ☐ GraphQL schema compi

fit your schema at C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\b in a directory at C:\Users\vidya.bharti\Downloads\pizzeriaampliy\pizzeria\amplify\ba Successfully pulled backend environment dev from the cloud.

Current Environment: dev

Category	Resource name	Operation	Provider plugin
Hosting	amplifyhosting	Create	awscloudformation
Api	pizzeriaamplify	No Change	awscloudformation

Are you sure you want to continue? Yes

- √ Zipping artifacts completed.
- √ Deployment complete!

https://dev.d9i8txsr68sqt.amplifyapp.com



