



AWS
Amplify

AWS Amplify simplifies the process of developing, deploying, and managing full-stack applications by providing an integrated set of tools and services for backend development, frontend integration, and application deployment. Its features enable rapid development, scalability, and ease of use, making it a valuable tool for both individual developers and teams working on modern web and mobile applications.

Intro Parameters

- Used to build mobile and web applications
- `amplify init` - initialize an amplify project
- Provides features such as data storage, authentication, ML, etc. (all powered by AWS services)
- Provides front-end libraries with ready to use components for popular frameworks like React, Vue, Flutter, etc.

Offerings

- **Amplify Studio:** Visually build a full-stack app (front-end UI and backend)
- **Amplify CLI:** Configure an Amplify backend with a guided CLI workflow
- **Amplify Libraries:** Connect your app to existing AWS services
- **Amplify Hosting:** Host web apps via the AWS **CDN**



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Auth

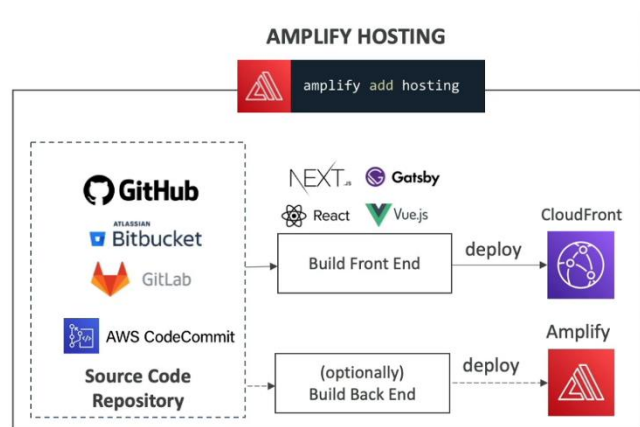
- Provides authentication out of the box (amplify add auth)
- Leverages Cognito
- Supports MFA, Social Sign-in (federated identities), Account Recovery, etc.
- Provides pre-built UI components to integrate in the front-end
- Provides fine-grained authorization

GraphQL API & Data Store

- Provides GraphQL API using AppSync and DynamoDB as the data store (amplify add Api)
- Work with data locally with automatic synchronization to the cloud (offline and real-time capabilities)
- Visual data modelling using Amplify Studio

Hosting

- Host web applications (`amplify add hosting`)
- Support for CICD, PR Reviews, Custom Domains, Monitoring, etc.
- Competing with services like Netlify and Vercel.

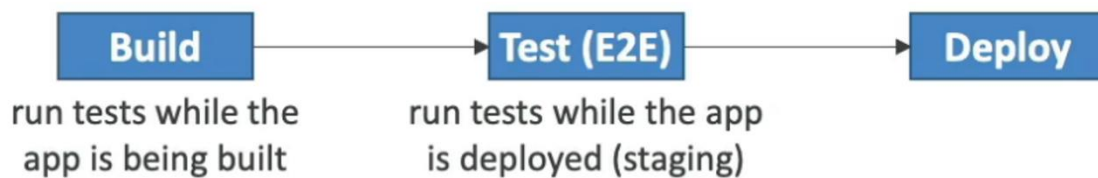




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Testing

- Run unit tests during the build phase (defined as test step in amplify.yml)
- Run end-to-end tests during the test phase before deploying the app in production environment (app is deployed in the testing environment)
 - Integrated with Cypress E2E testing framework (allows to generate UI report for the tests)





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AWS Amplify Scenario based Questions

<https://lisireddy.medium.com/aws-amplify-scenario-based-questions-79c306146fe3>

Wish you the best ...! Happy Learning ..!

Yours' Love (@lisireddy across all the platforms)