Hosting Your Website on AWS with AWS Amplify: A Professional Guide

AWS Amplify is a tool that helps developers build and launch web and mobile apps quickly and easily. It simplifies the process by managing both the front-end and back-end of applications.

Using AWS Amplify

Amplify lets developers set up back-end services, connect apps, and deploy websites. It works with popular frameworks like React, Angular, Vue, and Next.js. Developers can use the Amplify CLI to add features like authentication, storage, APIs, and hosting. It also offers pre-built UI components for easy integration.

Key AWS Services

Several AWS services support Amplify:

- AWS AppSync: Handles GraphQL APIs and provides real-time data sync.
- AWS Lambda: Runs serverless functions when needed.
- AWS DynamoDB: Offers NoSQL database storage.
- AWS S3: Provides storage for files and media.
- AWS CloudFormation: Sets up AWS resources automatically.
- Amazon Cognito: Manages user authentication and access.

Free Tier Usage

AWS Amplify's free tier includes:

- Hosting: 5 GB storage and 1 GB data transfer per month.
- Builds: 1000 build minutes per month.
- API Requests: Up to 1 million AppSync requests per month.
- Storage: 5 GB in S3.
- Authentication: 50,000 active users with Cognito.

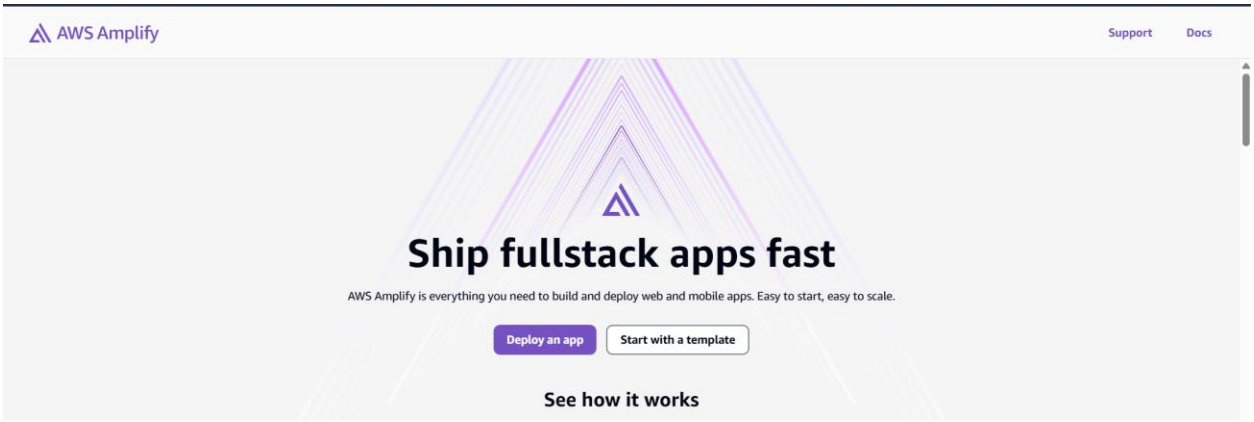
This is great for small projects and testing before scaling up.

Practical Usage

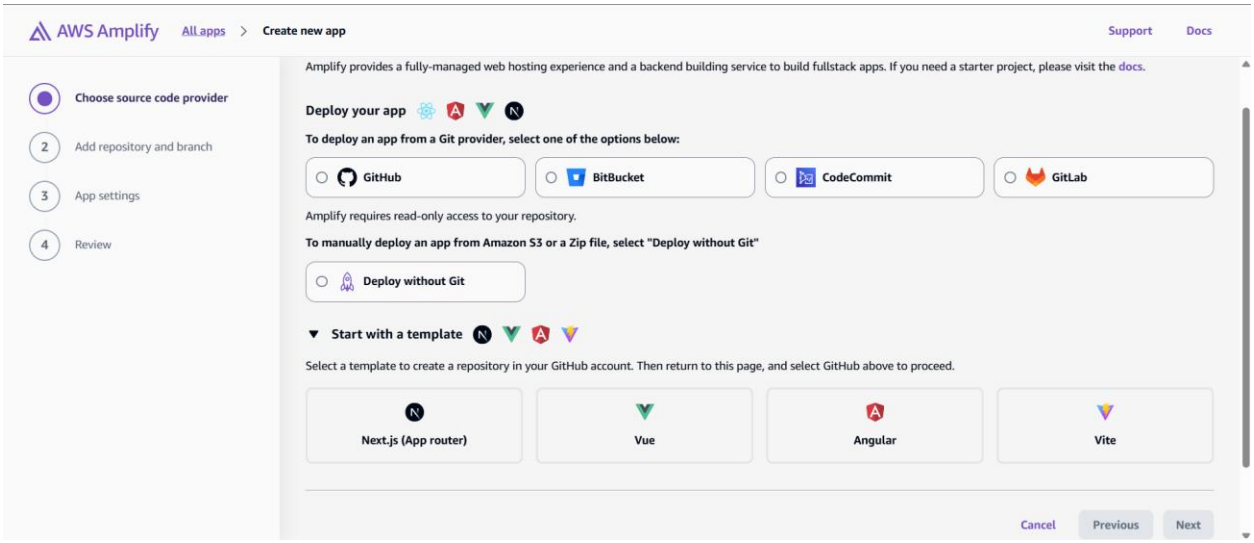
AWS Amplify is perfect for simplifying the development process and integrating various AWS services. It makes adding features like authentication and data storage easy. The free tier allows developers to experiment and launch apps at minimal cost.

Hosting Resume on AWS Amplify

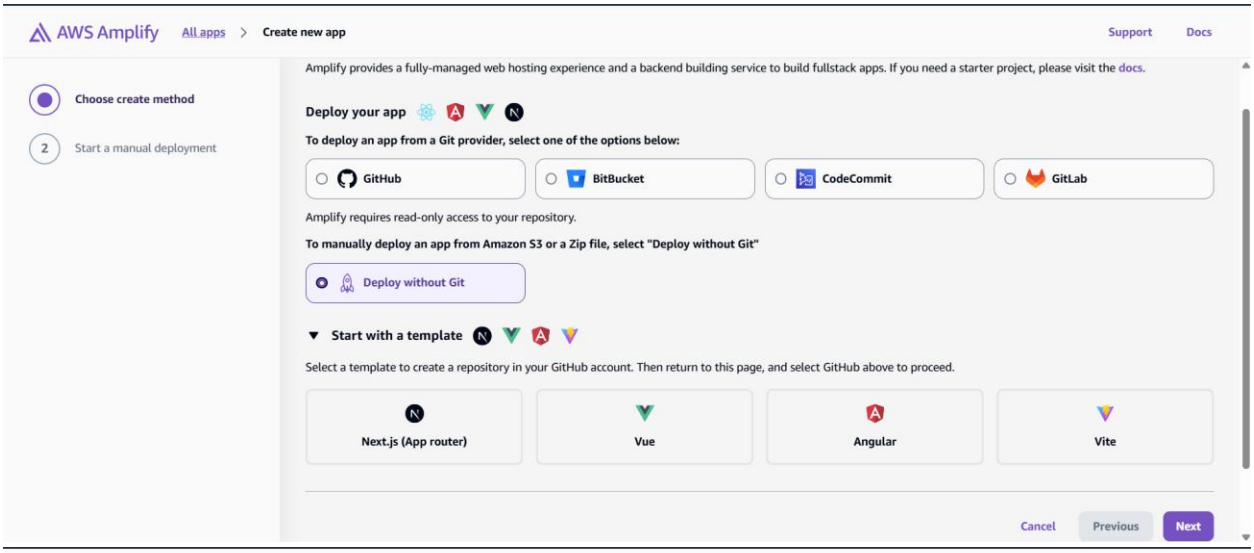
- ⇨ Launch AWS Amplify from AWS console and then click on Deploy an app

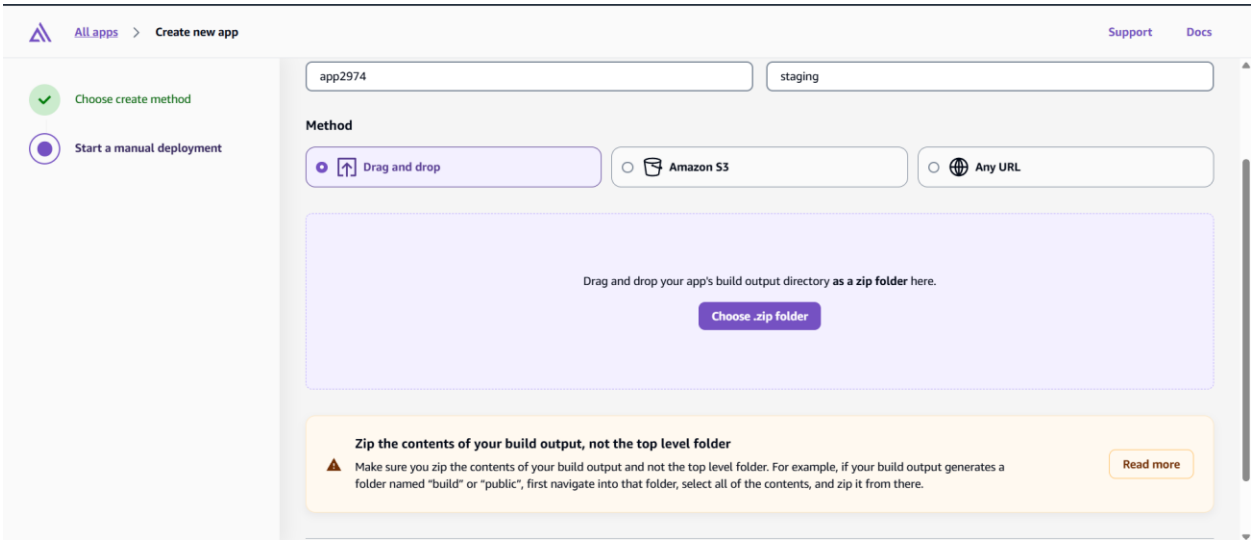


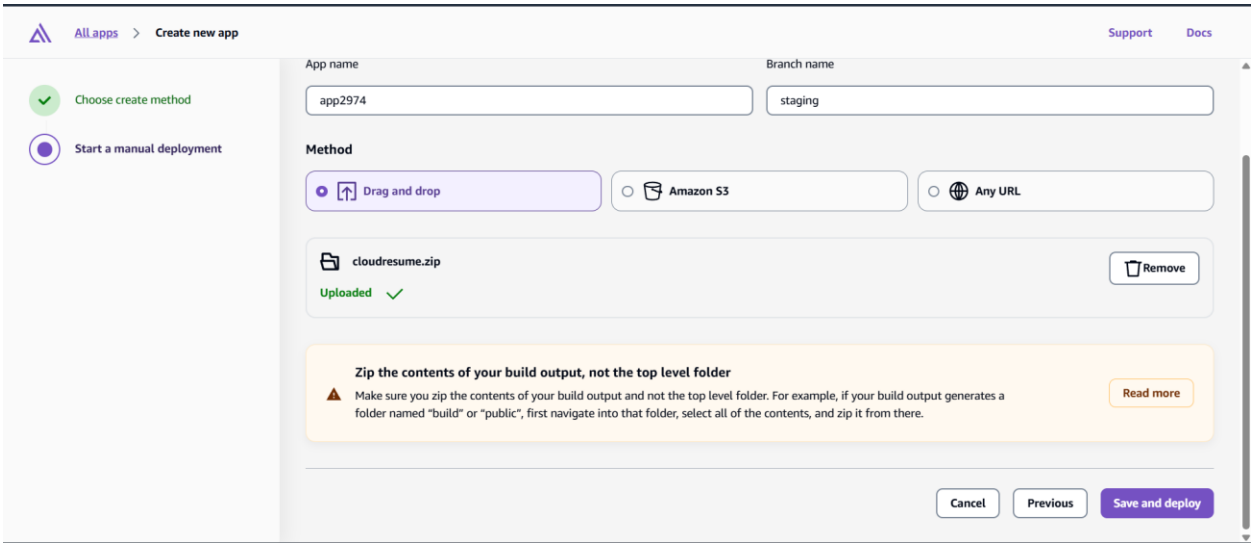
- ⇨ Choose your preferred option which can be Git, S3 buckets or a file/folders from your local computer.



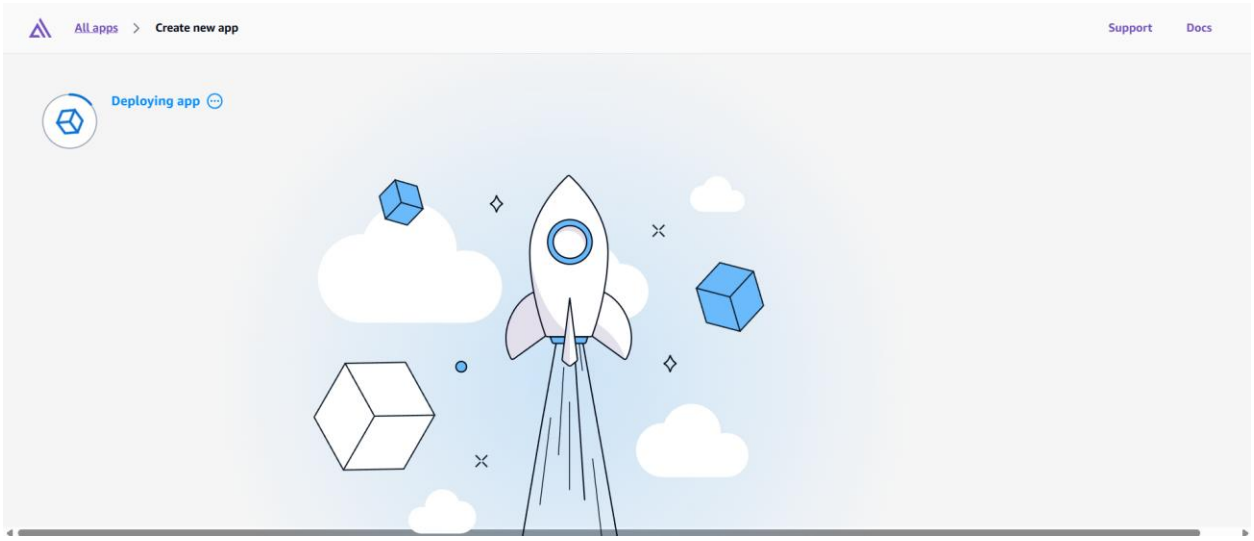
For now I am choosing to deploy this app from my local computer, I need to upload the content in a zip format.


AWS Amplify
All apps
Create new app
Support
Docs
Choose create method
2
Start a manual deployment
Amplify provides a fully-managed web hosting experience and a backend building service to build fullstack apps. If you need a starter project, please visit the docs.
Deploy your app
To deploy an app from a Git provider, select one of the options below:
GitHub
BitBucket
CodeCommit
GitLab
Amplify requires read-only access to your repository.
To manually deploy an app from Amazon S3 or a Zip file, select "Deploy without Git"
Deploy without Git
Start with a template
Select a template to create a repository in your GitHub account. Then return to this page, and select GitHub above to proceed.
Next.js (App router)
Vue
Angular
Vite
Cancel
Previous
Next

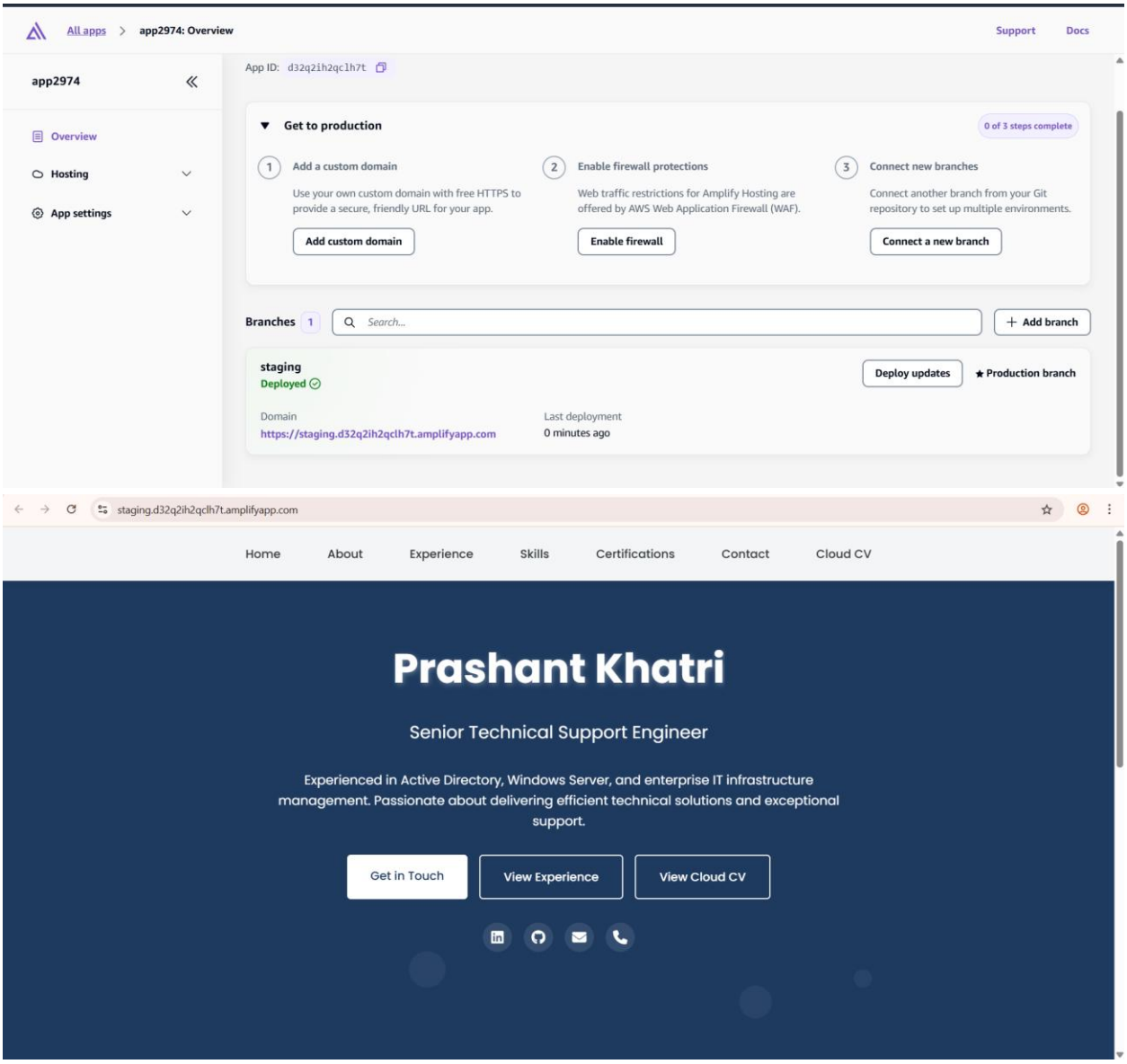

All apps
Create new app
Support
Docs
app2974
staging
Choose create method
Start a manual deployment
Method
Drag and drop
Amazon S3
Any URL
Drag and drop your app's build output directory as a zip folder here.
Choose .zip folder
Zip the contents of your build output, not the top level folder
Make sure you zip the contents of your build output and not the top level folder. For example, if your build output generates a folder named "build" or "public", first navigate into that folder, select all of the contents, and zip it from there.
Read more


All apps
Create new app
Support
Docs
App name
Branch name
app2974
staging
Choose create method
Start a manual deployment
Method
Drag and drop
Amazon S3
Any URL
cloudresume.zip
Uploaded
Remove
Zip the contents of your build output, not the top level folder
Make sure you zip the contents of your build output and not the top level folder. For example, if your build output generates a folder named "build" or "public", first navigate into that folder, select all of the contents, and zip it from there.
Read more
Cancel
Previous
Save and deploy

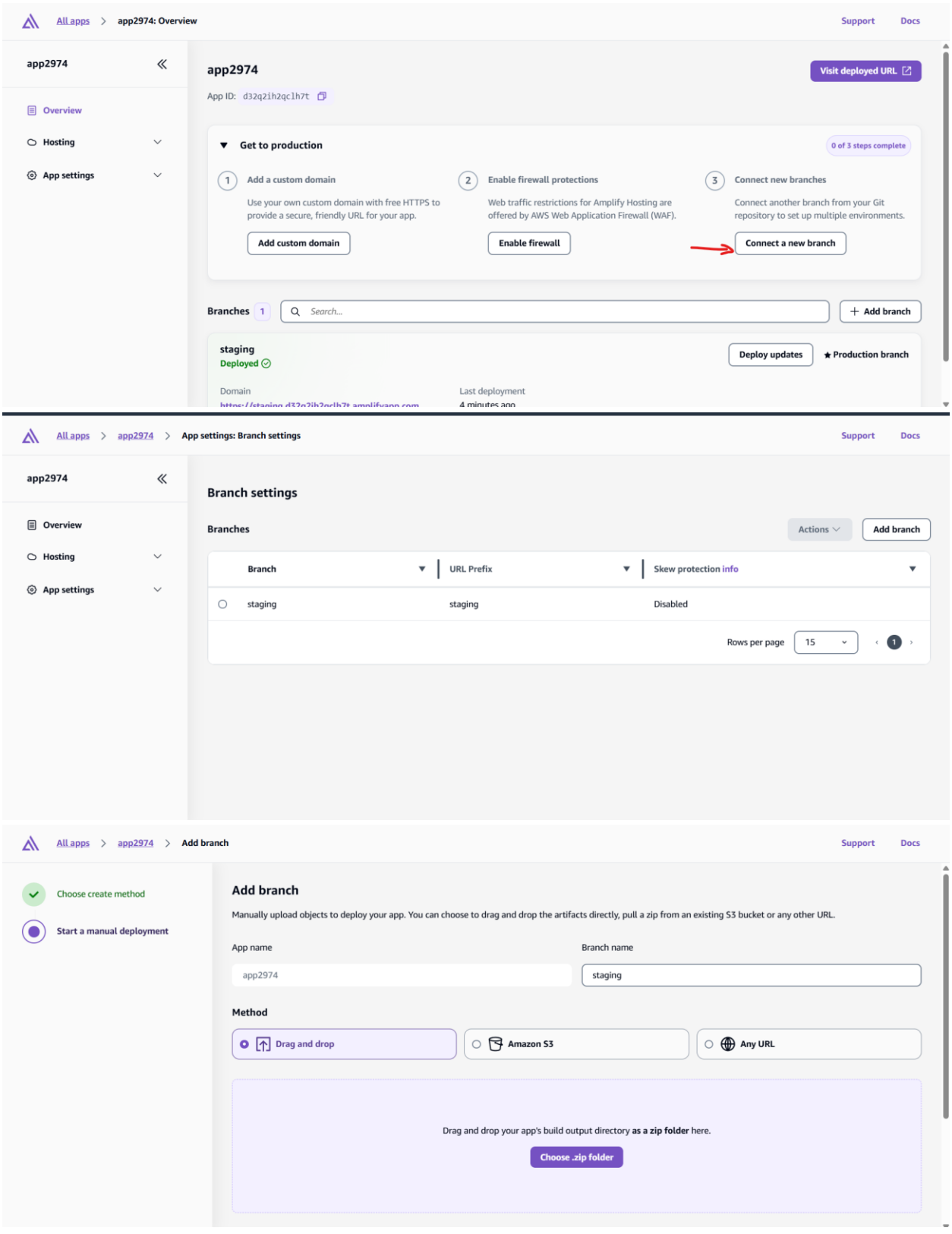
Then click on Save and Deploy.



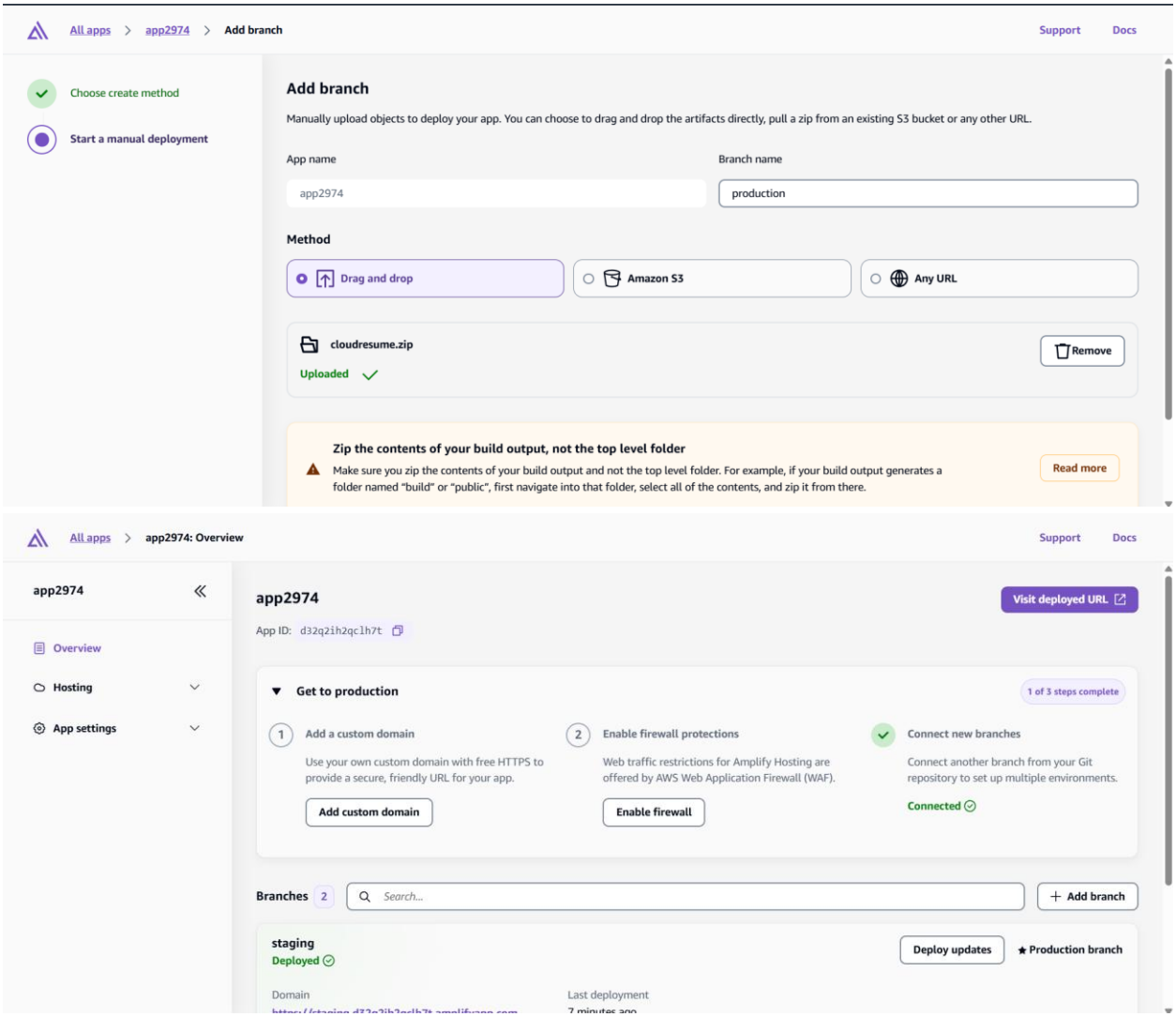
⇨ The app is deployed now in Staging Environment



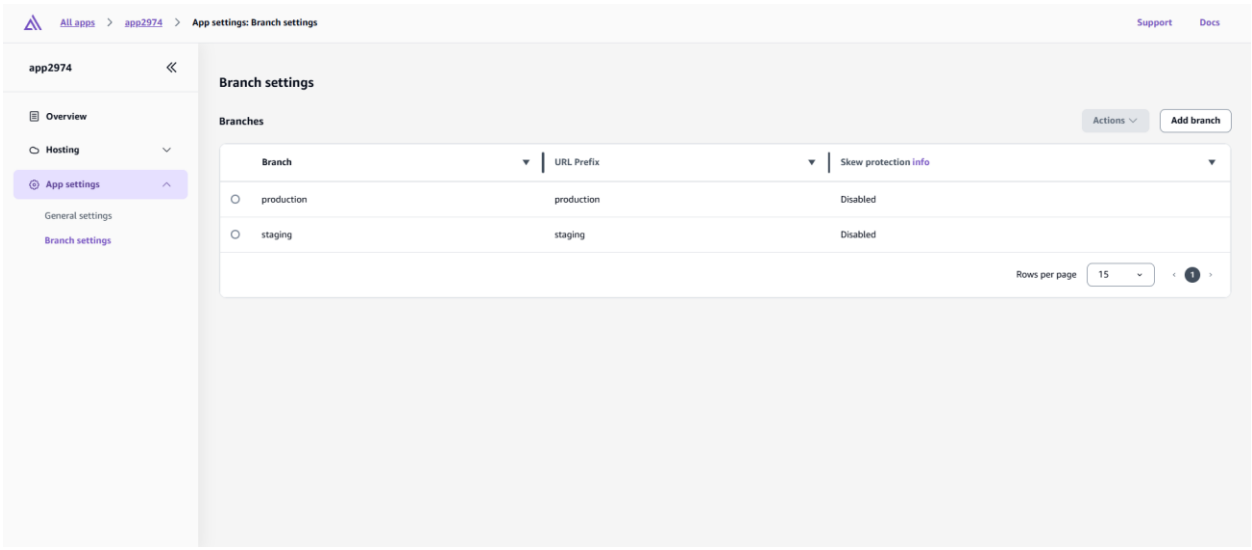
⇨ Let’s configure this for production, we need to create a branch within this application and then reupload this zip file



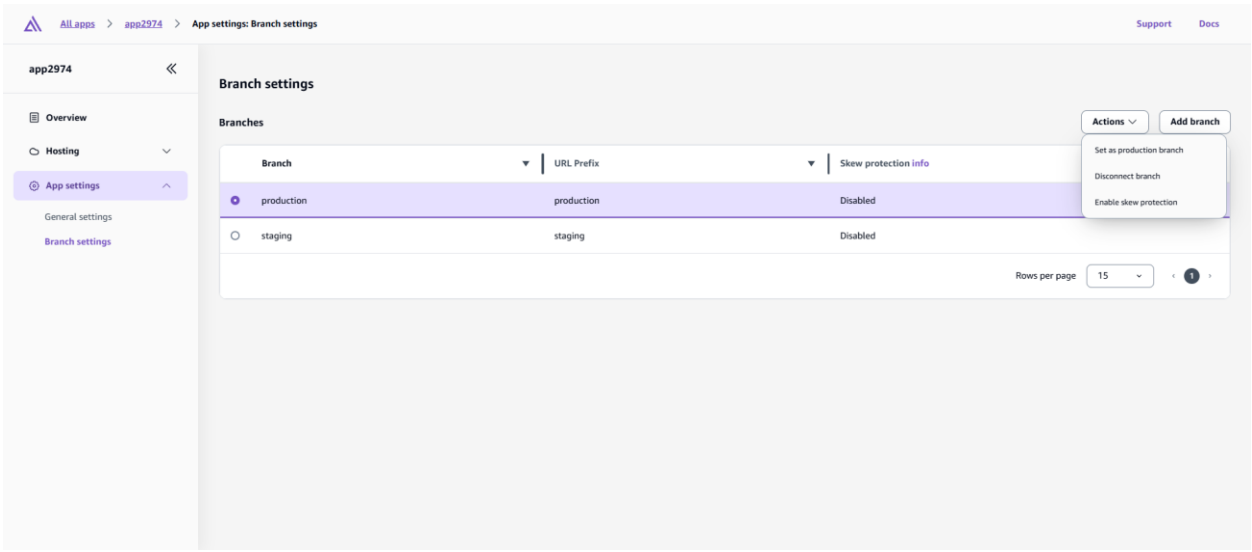
Change the name from Staging to Production and then click on Save and Deploy

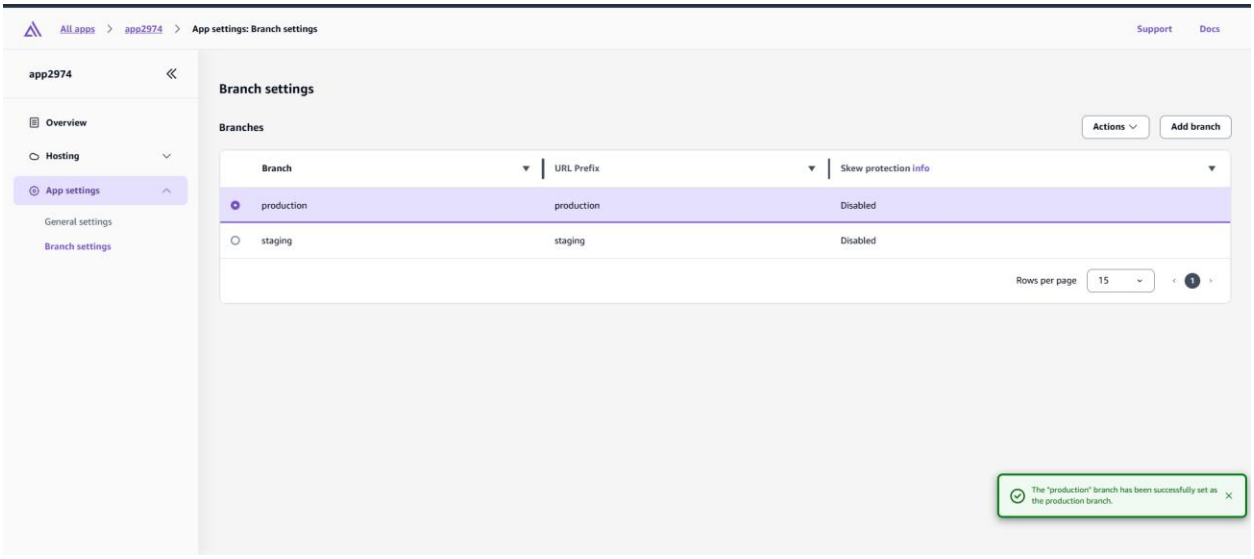


⇨ Now let's set the newly created production branch as the default branch, Click on App Settings, then click on Branch Settings

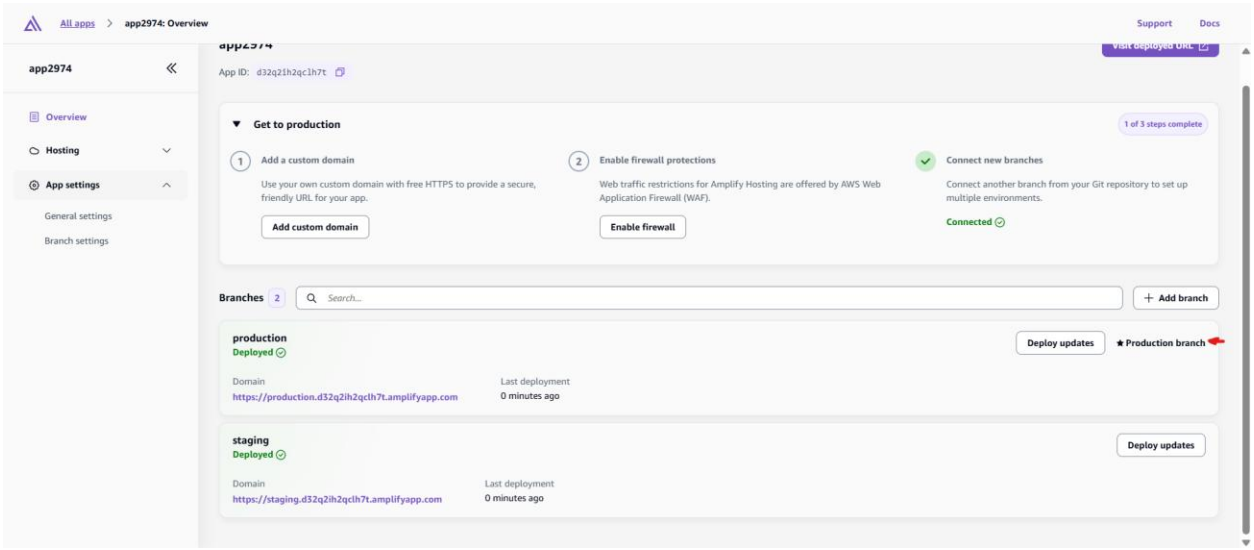


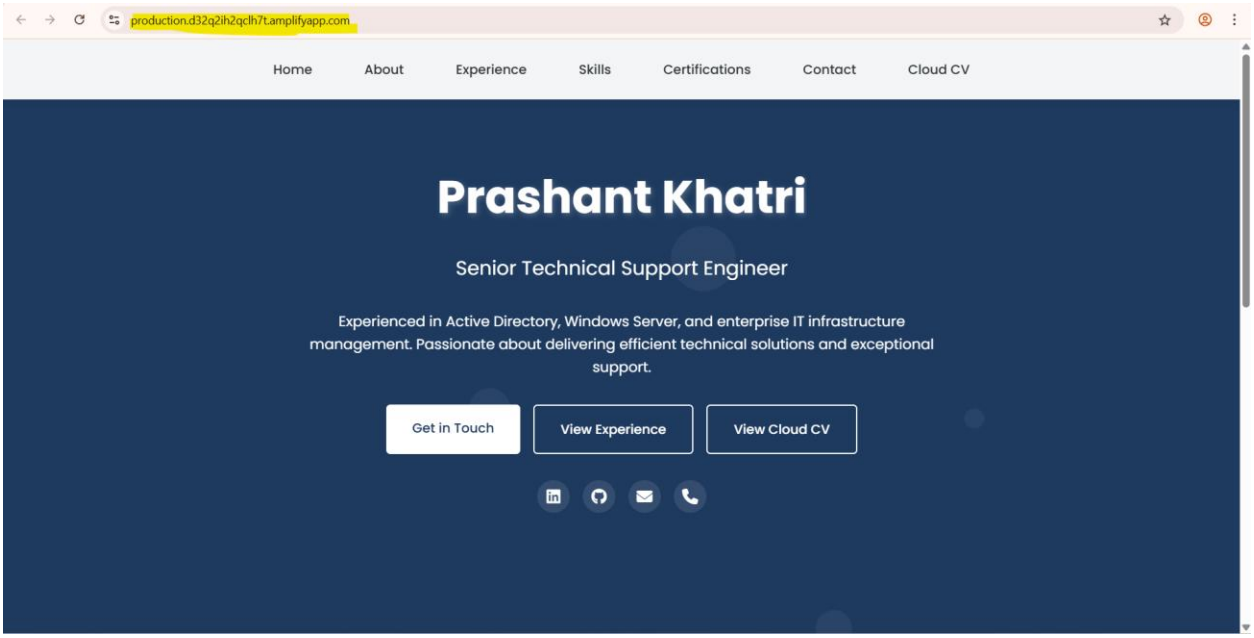
Select the production branch then click on Actions and then click on “Set as production branch”





⇨ Now under AWS Amplify, check under the branches and the production branch that was created is acting as the production branch and the URL for this branch will be default for our AWS Amplify application

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