How to Deploy React

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When developing any project we must host it somewhere so that the whole world can see our hard-work. Hosting websites can be hectic sometimes, but you don't need to worry as we can now host our React project on **Firebase** within a minute or two with a very simple setup.

Steps to Deploy React project on Firebase:

Hey geek! The constant emerging technologies in the world of web development always keeps the excitement for this subject through the roof. But before you tackle the big projects, we suggest you start by learning the basics. **Kickstart your web development journey** by learning JS concepts with our **JavaScript Course**. Now at it's lowest price ever!
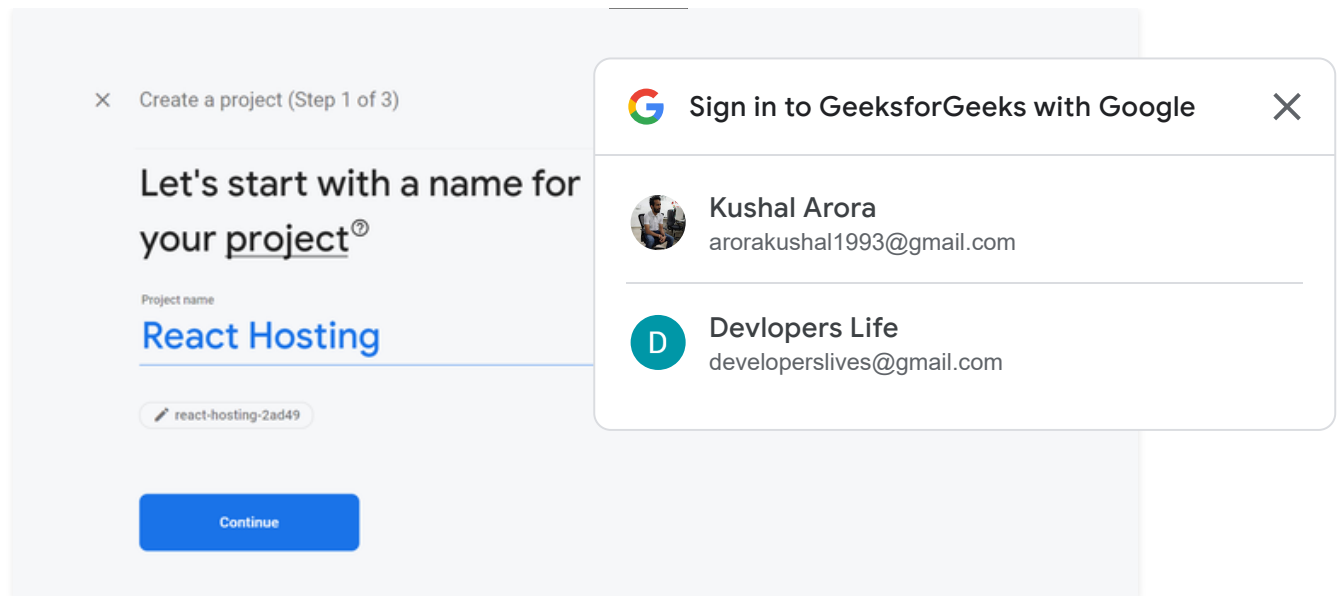
Follow the below steps or specially needed to Setup a Firebase for your React Project.

- **Step 1:** First we shall set up our Firebase project, go to its official website, and create a project as shown below.

- **Step 2:** Then we will enable **Firebase Hosting** by going into the hosting section under Build dropdown.

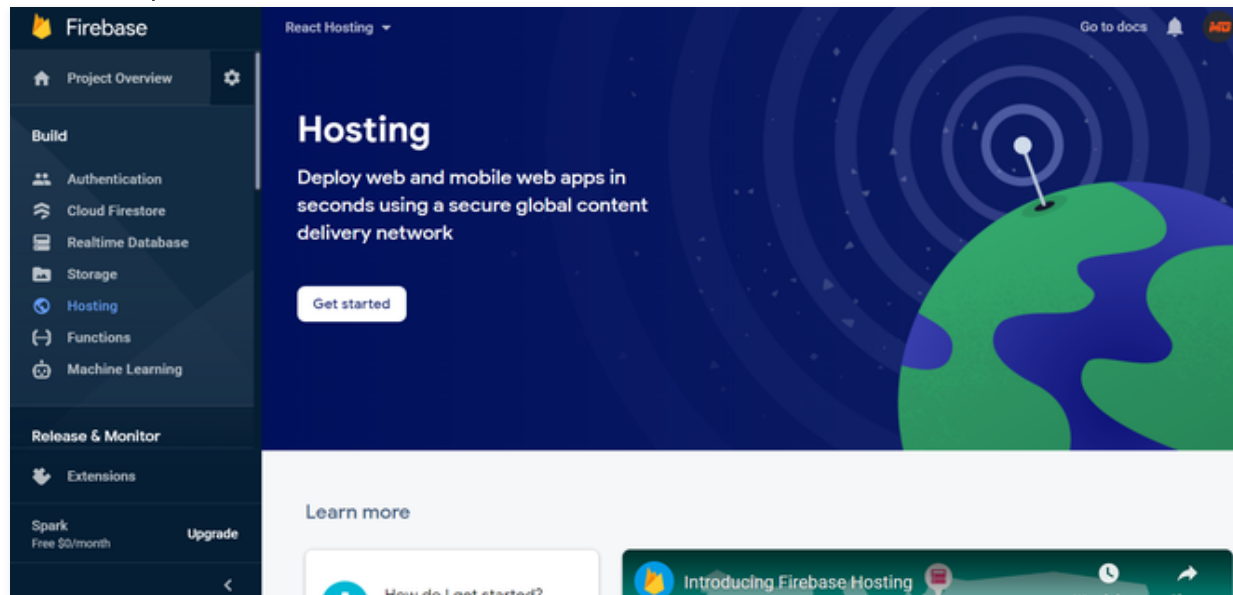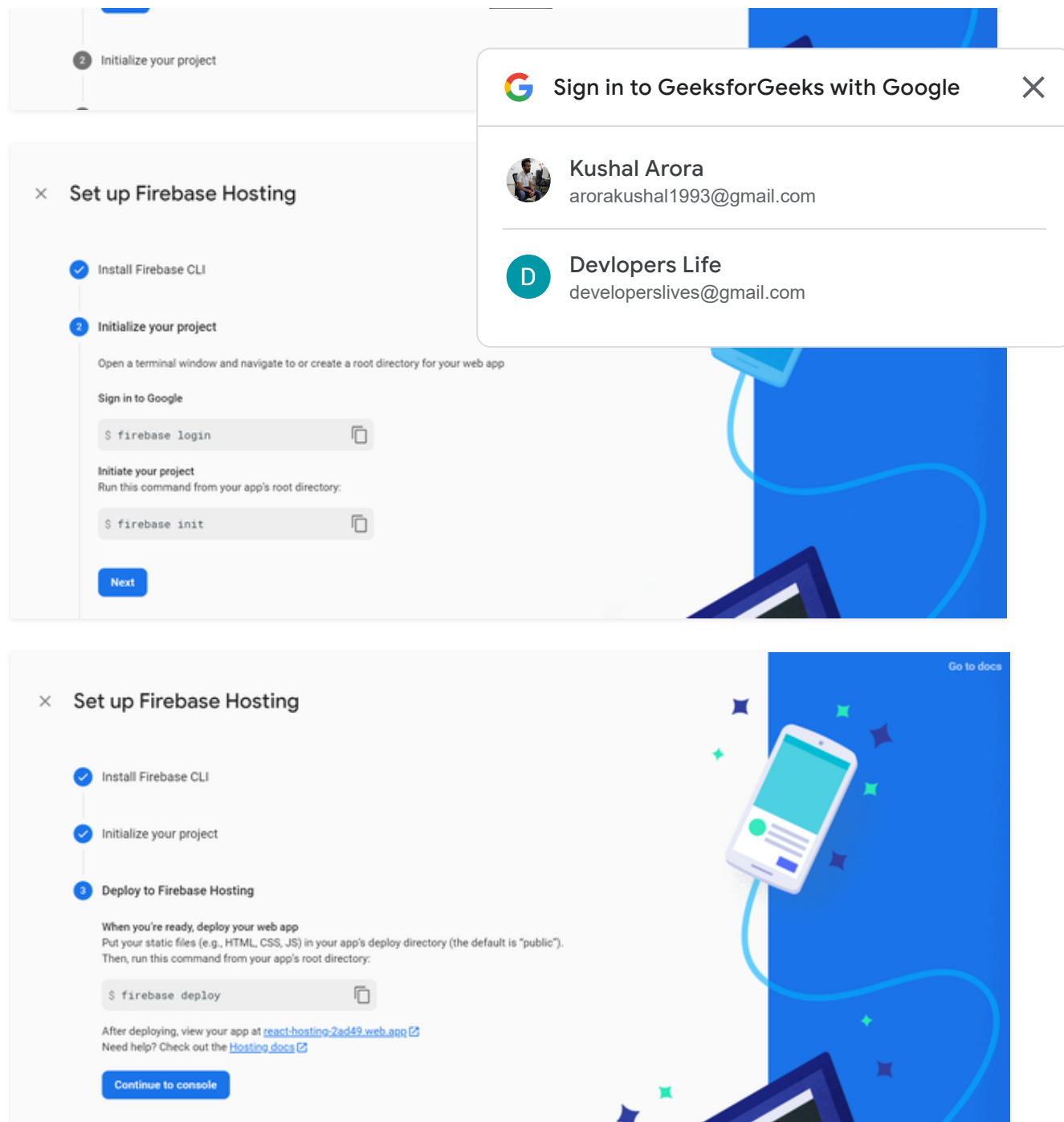- **Step 3:** Then we will go through the hosting setup as described below.

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Got It !

Creating React Application:

- **Step 1**: Create a React application using the following command:

```
npx create-react-app react_hosting
```

- **Step 2**: Install Firebase Tools:

Project Structure:

Project Structure

Hosting Website:

- **Step 1:** First, we will initialize a firebase project in our React app by running the following command in the console in o

```
firebase init
```

Now type **y** as we are ready to proceed
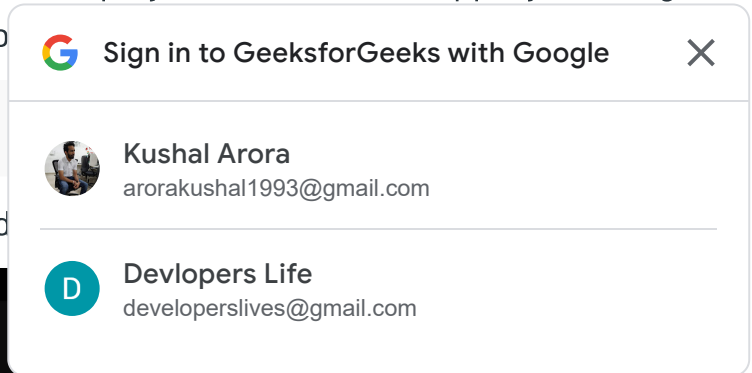
- **Step 2:** Select **Hosting** from the options provided.

- **Step 3:** Select the **Use an existing project** option.

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```
=== Project Setup

First, let's associate this projec
You can create multiple project al
but for now we'll just set up a de

? Please select an option:
> Use an existing project
  Create a new project
  Add Firebase to an existing Google Cloud Platform project
  Don't set up a default project
```

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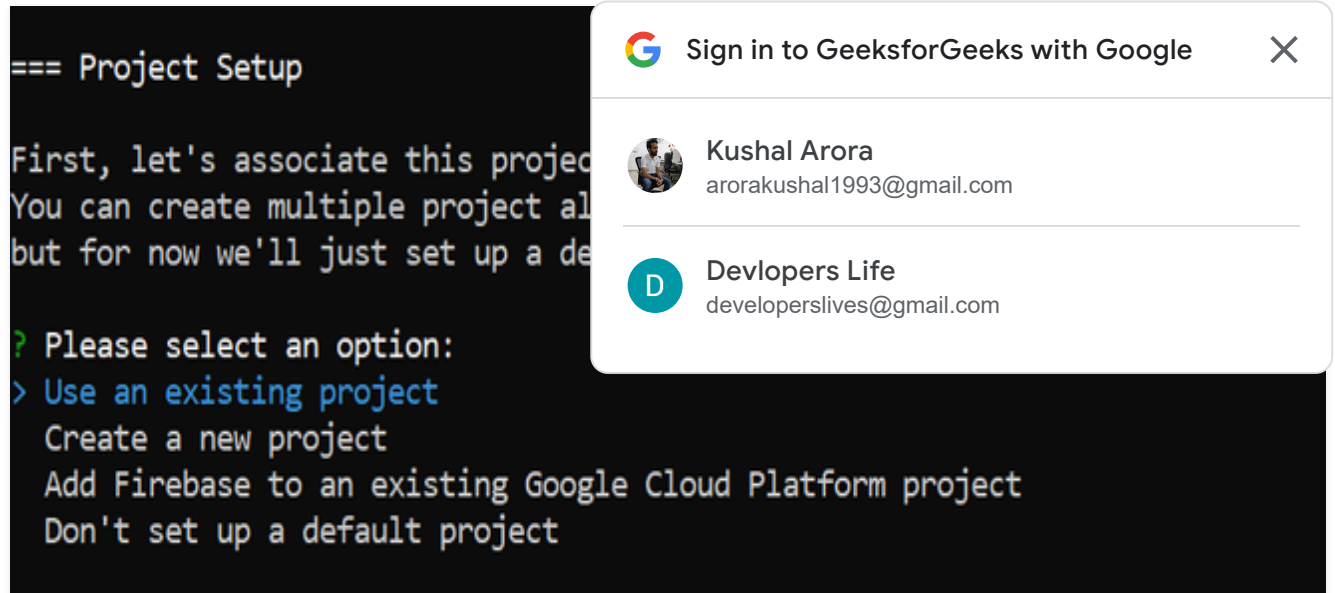
- **Step 4:** As the build folder of react apps is generated in the build folder by default, we will use the same as our public directory.

```
=== Hosting Setup

Your public directory is the folder (relative to your project directory) that
will contain Hosting assets to be uploaded with firebase deploy. If you
have a build process for your assets, use your build's output directory.

? What do you want to use as your public directory? build
```

- **Step 5:** Type **y** as we want to configure our app as a single-page app.

```
=== Hosting Setup

Your public directory is the folder (relative to your project directory) that
will contain Hosting assets to be uploaded with firebase deploy. If you
```

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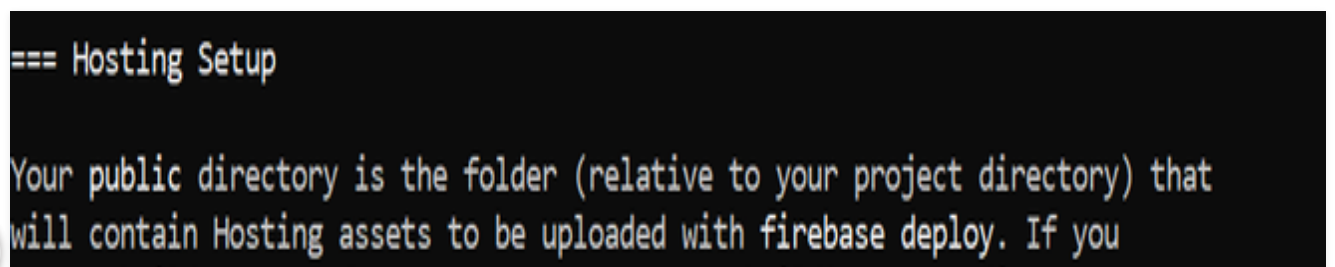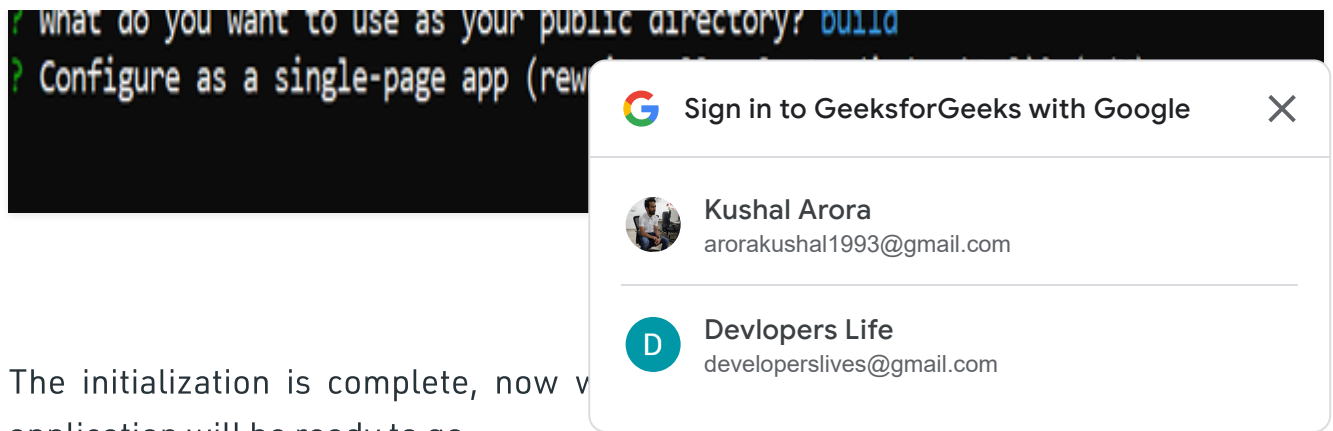
Got It !

```
? What do you want to use as your public directory? build
? Configure as a single-page app (rew...
```

The initialization is complete, now v
application will be ready to go.

```
=== Hosting Setup

Your public directory is the folder (relative to your project directory) that
will contain Hosting assets to be uploaded with firebase deploy. If you
have a build process for your assets, use your build's output directory.

? What do you want to use as your public directory? build
? Configure as a single-page app (rewrite all urls to /index.html)? Yes
? Set up automatic builds and deploys with GitHub? No
+  Wrote build/index.html

i  Writing configuration info to firebase.json...
i  Writing project information to .firebaserc...

+  Firebase initialization complete!

C:\Users\mihir\OneDrive\Desktop\GFG Hosting\react_hosting>
```

- **Step 6:** Now we will run the following command to build our react app.

    ```
    npm run build
    ```

- **Step 7:** Now we just need to run the last command and our application will be deployed.

    ```
    firebase deploy
    ```

This will deploy our project and also provide us the **hosting** link which we can visit.

```
C:\Users\mihir\OneDrive\Desktop\GFG Hosting\react_hosting>firebase deploy
=== Deploying to 'react-hosting-2ad49'
```

Output: We can verify that our website w...
link provided by firebase in the console as...

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