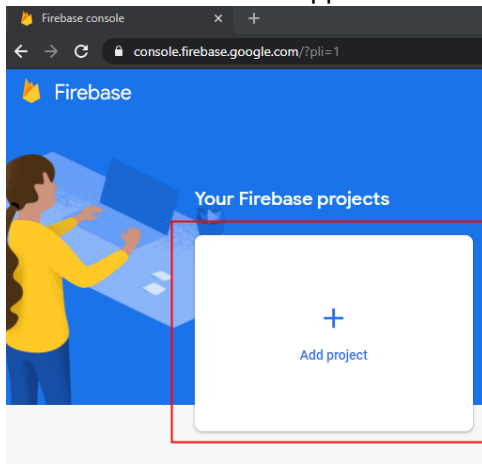


Deploying React App on Firebase

Firebase is Google's cloud service, which offers various backend features as a service to create server-less apps. Firebase also allows you to host and deploy your web app on their remote servers. To deploy your app on Firebase remote server, visit firebase.google.com and create an account.

Click **Go to console**.

Create a new Firebase app for the web on the console.



Follow the simple steps to create a new Firebase project. Now head back over to your React app and run the following command:

```
npm i -g firebase
```

This installs firebase CLI to access various Firebase services via its command-line interface.

Inside the root directory, run:

```
firebase init
```

This creates a new Firebase project inside your React project. You may be prompted to log in first. Next, select the hosting feature.

```
? Are you ready to proceed? Yes
? Which Firebase CLI features do you want to set up for this folder?
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? Which Firebase CLI features do you want to set up for this folder?
? Which Firebase CLI features do you want to set up for this folder?
  ( ) Database: Deploy Firebase Realtime Database Rules
  ( ) Firestore: Deploy rules and create indexes for Firestore
  ( ) Functions: Configure and deploy Cloud Functions
> (*) Hosting: Configure and deploy Firebase Hosting sites
  ( ) Storage: Deploy Cloud Storage security rules
  ( ) Emulators: Set up local emulators for Firebase features
```

Next, you'll be asked whether you want to create a new Firebase project or use an existing one. Since you already created a new Firebase project on the Firebase console, select **use existing project**.

```
=== Project Setup
```

```
First, let's associate this project directory with a Firebase project.
You can create multiple project aliases by running firebase use --add,
but for now we'll just set up a default project.
```

```
? Please select an option: Use an existing project
? Select a default Firebase project for this directory: (Use arrow keys)
```

Next, you'll be asked a few configurational questions.

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

Since the production folder is the build directory, in this step you tell Firebase that the build directory should be served as the public directory for this project.

```
? Configure as a single-page app (rewrite all urls to /index.html)? Yes
```

Select **Yes** to tell firebase that your entry point is index.html

```
? File public/index.html already exists. Overwrite? No
```

Finally, you do not want to override your original index.html with any other files, so select **No** here. All configurational steps are complete—now you only need to run the following command inside the root directory:

```
firebase deploy
```

Firebase will now deploy your React app on its remote server and generate a URL for you, which you can use to run your React app from a remote server.