

# Creating a new Domain and deploying a React App into Firebase with Custom Domain

## Buy/Register the domain

- You must purchase the domain from a domain registrar(like buying property before building a house).
- Popular registrars:
  - Google Domains
  - GoDaddy
  - Namecheap
  - Hostinger
  - BigRock

Example: Search for tkrishna in a registrar. If it's available, you can buy it.

## 1. If you don't have firebase hosting setup. You should have to follow this process.

### Deploy the code into firebase:

Go to firebase Console: <https://console.firebase.google.com>

We have to create a project example:timekrishna

The next steps we have to do locally

- Frist, we have to install Firebase CLI
  - `npm install -g firebase-tools`
  - we have to login into firebase : `firebase login`
- Initialize hosting in your project folder: `firebase init hosting`
  - Choose your Firebase project(e.g., timekrishna)
  - Select a public folder(commonly dist, build, or just public)

- Say Yes to configure as a single-page app(if it's React/Angular/Vue) This will create a firebase.json file in your project directory
- Next it will ask setup automatic builds and deploys with GitHub. If you have permissions give Yes otherwise No
- Now Firebase CLI will ask about index.html file. Since if you already have your **own index.html** inside your project folder, you **should NOT overwrite it**. Otherwise you should pass YES. That file is the entry point of your React/Vite app.
- After that you can run `firebase deploy --only hosting`
  - Firebase will deploy your current folder(dist, build or public) contents as your website
  - Firebase will give you a hosting URL.

## 2. Add Your custom Domain in Firebase Console

- Go to Firebase Console → Hosting.
- Select your project.
- Under **Custom domains**, click **Add custom domain**.
- Enter your domain name e.g., (tkrishna)
- Click **Continue**.

## 3. Verify Domain Ownership

- Firebase will ask you to verify that you own the domain by adding a **TXT record and IP value, Record type** in your DNS provider.
- Login to your domain provider (GoDaddy, Namecheap, Google Domains, etc.).
- Add the **TXT record and IP value, Record type** exactly as Firebase provides.
- Save changes and wait for propagation (may take a few minutes to a few hours).
- Click **Verify** in Firebase console.