**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**](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
* nmp 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 creates a firebase.json file in your project directory
* Next it will ask setup automatic builds and deploys with GitHub. If you have permissions give Yea 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 entery 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.

1. **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**.

1. **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.