

## Troubleshooting the Google Login Button

If the login button does nothing (no pop-up appears or it closes instantly), follow these steps in order.

### 1. Check your Browser Console (The most important step)

1. Open your site (localhost or Cloud Run URL).
2. Right-click anywhere and select **Inspect**, then click the **Console** tab.
3. Click the Google Login button again.
4. Look for red error text.
  - **Error:** auth/unauthorized-domain : This means you missed Step 2 below.
  - **Error:** auth/operation-not-allowed : This means you missed Step 3 below.

### 2. Add your URL to Firebase Authorized Domains

Google will block any login request that doesn't come from a "Trusted Domain."

1. Go to the [Firebase Console](#).
2. Click the **Settings** tab at the top.
3. Click **Authorized domains** in the left menu.
4. Click **Add domain** and add your Cloud Run URL (e.g., `hiking-dashboard-xyz.a.run.app` ).
5. *Note: `localhost` is usually there by default, but ensure it is present if testing locally.*

### 3. Verify the Google Provider is "Enabled"

1. Go to the [Firebase Authentication Page](#).
2. Ensure Google shows as "Enabled."
3. If it doesn't, click **Add new provider**, choose Google, toggle it on, and click **Save**.

### 4. Update the GCP OAuth Client ID

Firebase creates a "Web Client" in your Google Cloud account. This client needs to know where the login redirect is coming from.

1. Go to the [GCP Credentials Console](#).
2. Look for **OAuth 2.0 Client IDs**. You should see one named "Web client (auto created by Google Service)." Click the pencil icon to edit it.
3. Scroll to **Authorized JavaScript origins** and add your Cloud Run URL.

4. Scroll to Authorized redirect URIs and add your Cloud Run URL followed by  
`/__auth/handler` .
  - *Example:* `https://hiking-dashboard-rvij.a.run.app/__auth/handler`
5. Click Save.

## 5. Check Pop-up Blockers

Since the code uses `signInWithPopup`, your browser might be blocking the window.

- Look at the far right of your browser's address bar for a small icon with a red "x".
- Click it and select "Always allow pop-ups from..."