

Hosting a Website on Firebase Using Termux

This guide explains how to host a static website on Firebase using Termux.

1. Prerequisites:

- Android device with Termux app installed.
- Google account.
- Basic knowledge of HTML/CSS.
- A ready-made static website (HTML, CSS, JS files).

2. Step-by-Step Instructions:

Step 1: Update and install Node.js in Termux

```
$ pkg update && pkg upgrade
```

```
$ pkg install nodejs
```

Step 2: Install Firebase CLI

```
$ npm install -g firebase-tools
```

Step 3: Login to Firebase

```
$ firebase login
```

(This will open a browser window. Log in with your Google account.)

Step 4: Initialize Firebase project

```
$ mkdir mywebsite
```

```
$ cd mywebsite
```

```
$ firebase init
```

Choose the following during the init:

- Hosting: Configure files for Firebase Hosting
- Select/Create a Firebase project
- Set public directory: (e.g., public or dist)
- Configure as a single-page app: (y/n as needed)
- Overwrite index.html: (n if you already have your own files)

Step 5: Add your website files

Place your HTML, CSS, and JS files inside the chosen public directory.

Step 6: Deploy your site

\$ firebase deploy

Firebase will give you a hosting URL like:

<https://your-project-id.web.app>

3. Useful Firebase CLI Commands:

\$ firebase login	# Login to Firebase
\$ firebase init	# Initialize Firebase in a project
\$ firebase deploy	# Deploy files to Firebase Hosting
\$ firebase logout	# Logout from Firebase
\$ firebase projects:list	# Show your Firebase projects
\$ firebase serve	# Test locally

4. Notes:

- Only static websites are supported (no PHP, Python backend).
- Firebase Hosting is free with limitations.
- Use "firebase.json" for custom configurations.

Your website is now live and accessible on the web!