

Deploying to Firebase Hosting

In this guide, you will learn how to deploy your Gatsby site to Firebase Hosting.

Firebase Hosting is a free web content hosting platform for developers. With a single command, you can quickly deploy web apps and serve both static and dynamic content to a global CDN (content delivery network).

Pre-requisites

1. Make sure you have:
 - installed Node.js on your local machine.
 - a Firebase Account.
 - created a Firebase Project.
2. This guide assumes that you already have a Gatsby project on your local machine.

Deployment

1. Install the Firebase CLI with `npm` by running the following command:

```
npm install -g firebase-tools
```
2. Sign in to Firebase using your Google account by running the following command:

```
firebase login
```

You can test if the CLI is correctly installed by running `firebase projects:list`, which should show you a list of your Firebase Projects.
3. Navigate into your gatsby project directory and setup firebase:

```
firebase init
```

This command will prompt you to:

- select the Firebase products you wish to set up. Be sure to select **Firebase Hosting**.
- select the Firebase Project you wish to use or create a new one, if you haven't done it previously.

When prompted to select your public directory, press enter. It will default to **public**, which is also Gatsby's default public directory.

4. Update the `firebase.json` with the following cache settings

```
{
  "hosting": {
    "public": "public",
    "ignore": ["firebase.json", "**/.*", "**/node_modules/**"],
    "headers": [
      {
        "source": "**/*",
        "headers": [
          {
            "key": "cache-control",
            "value": "public, max-age=0, must-revalidate"
          }
        ]
      },
      {
        "source": "static/**",
        "headers": [
          {
            "key": "cache-control",
            "value": "public, max-age=31536000, immutable"
          }
        ]
      },
      {
        "source": "**/*.(css|js)",
        "headers": [
          {
            "key": "cache-control",
            "value": "public, max-age=31536000, immutable"
          }
        ]
      },
      {
        "source": "sw.js",
        "headers": [
          {
            "key": "cache-control",
            "value": "public, max-age=0, must-revalidate"
          }
        ]
      }
    ]
  }
}
```

```

    "source": "page-data/**",
    "headers": [
      {
        "key": "cache-control",
        "value": "public, max-age=0, must-revalidate"
      }
    ]
  }
}

```

5. Prepare your site for deployment by running `gatsby build`. This generates a publishable version of your site in the `public` folder.
6. Deploy your site by running the following command:

```
firebase deploy
```

All done! Once the deployment concludes, you can access your website using `firebaseProjectId.firebaseio.com` or `firebaseProjectId.web.app`.

Check the [Firebase Docs](#) for information about how to customize your deployment further. Remember that each time you wish to redeploy your site, you will need to rerun `gatsby build` first.

For automatic setup of builds that are deployed straight to Firebase:

References:

- [Firebase CLI Reference](#)
- [Get Started with Firebase Hosting](#)
- [Connect a custom domain](#)