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How to host static website on firebase hosting for free



Aleem Uddin Jul 4, 2018 · 4 min read ★

What is Firebase Hosting?

Firebase hosting is a Google hosting service which provides static web content to the user in a secure, fast, free and easy way.

Why Firebase Hosting?

Most of the web hosting will charge you or will be slow if they are free, also you have to pay extra for getting an SSL certificate to convert your website to a secure one with https.

Firebase hosting is free. So, it won't cost you anymore. It by default provides SSL certificate and offers an impressive speed across multiple geographic locations without the need for a separate CDN on top.

Requirements

Google Account:

I believe you might already have a Gmail account, which is enough. If not create one.

Firebase-CLI:

Before you can install the Firebase CLI, you will need to [install Node.js](#) on your machine.

Once you've installed NodeJs, you can install the Firebase CLI using npm (the Node Package Manager) by running the following command:

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

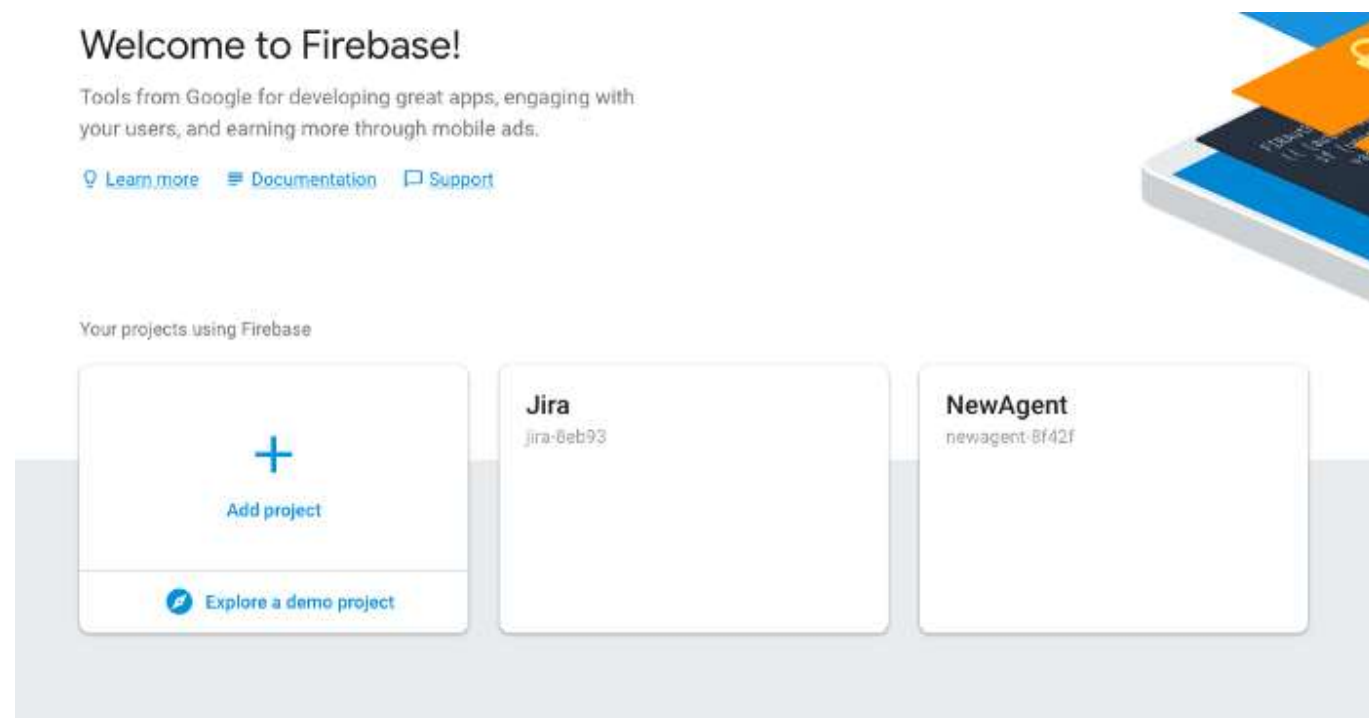
Domain:

This is optional. There are various domain name providers in the world. Additionally, you can buy one from Godaddy.

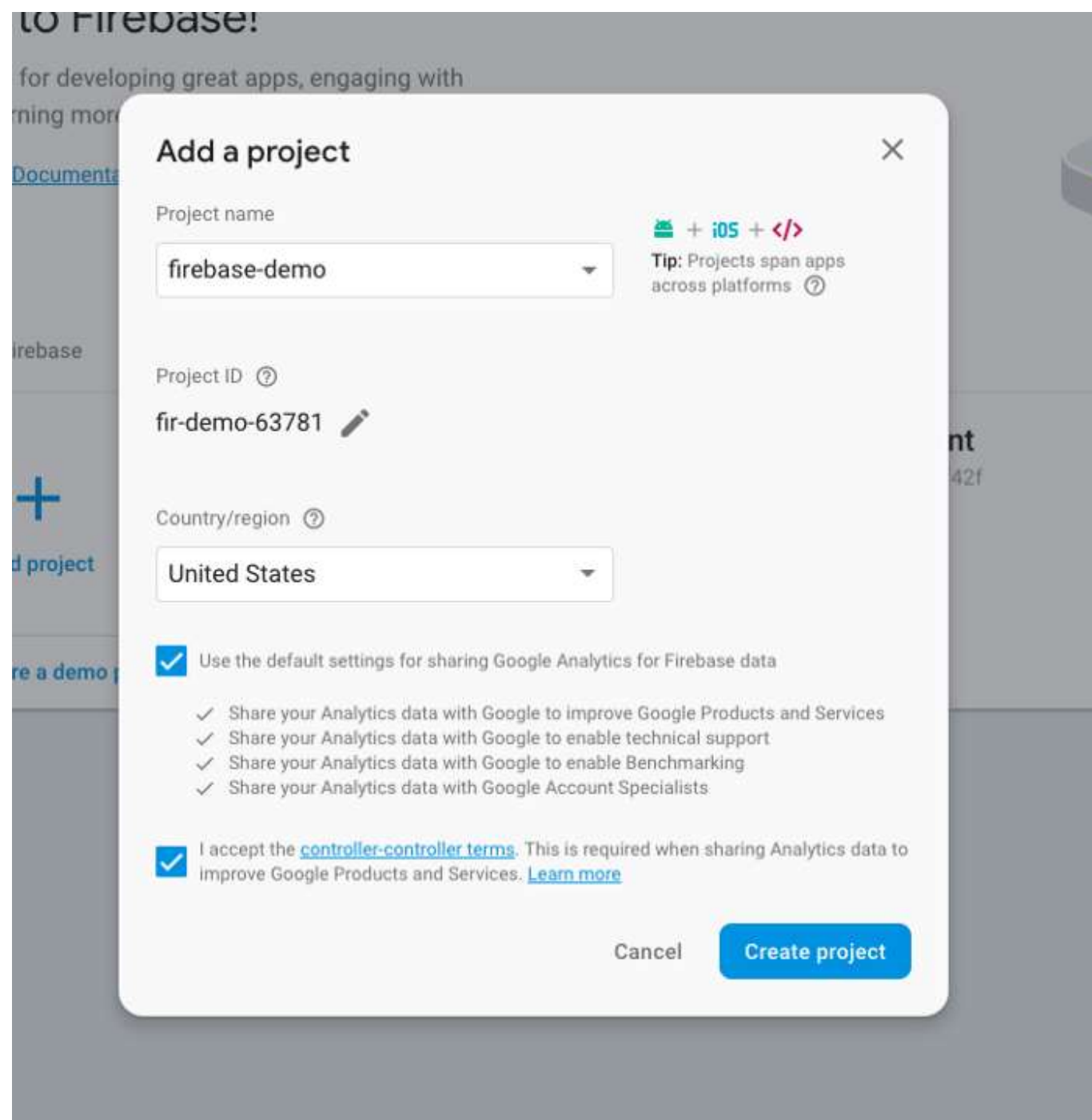
Lets get our hands dirty

Step 1: Creating firebase project

Go to firebase and sign in with your Google account



then create new project, enter your project name (*firebase-demo* in my case)



Step 2: Firebase Login

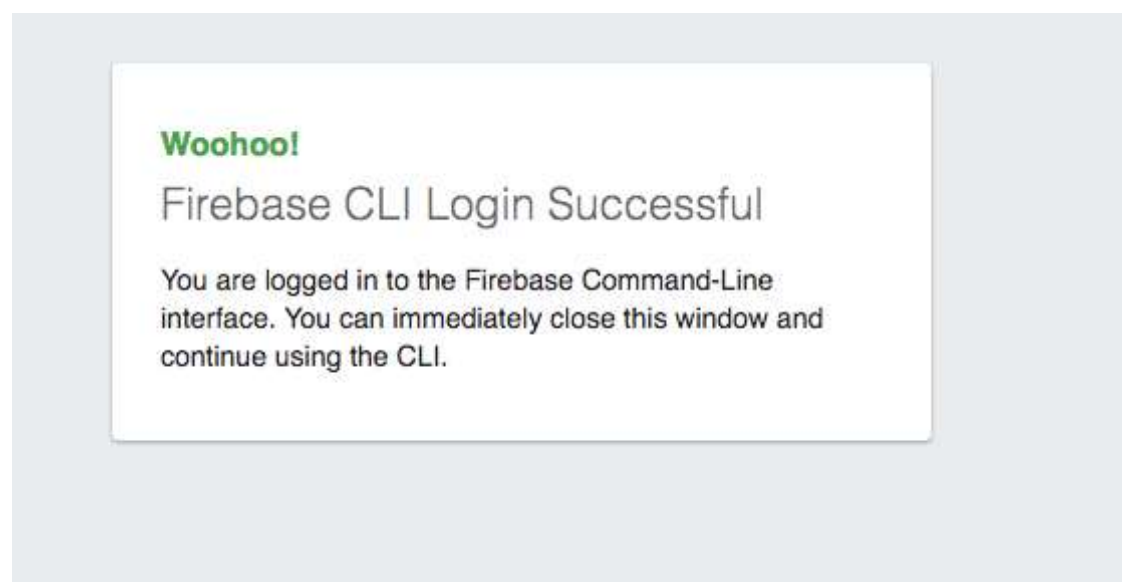
Now come back to the command line and go to your project folder

```
cd firebase-demo
```

First we have to login into firebase from command line. Type in the following command.

```
firebase login
```

It will take you to the sign-in page in the browser, once you've successfully logged in it will show you something like this



on browser

```
Aleems-MBP:firebase-demo aleem$ firebase login
? Allow Firebase to collect anonymous CLI usage and error reporting information
Visit this URL on any device to log in:
https://accounts.google.com/o/oauth2/auth?client_id=563584335869-fgrhgmd47bqr
mprojects.readonly%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Ffirebase%20htl
3A9005
Waiting for authentication...
✔ Success! Logged in as aleemuddin1996@gmail.com
Aleems-MBP:firebase-demo aleem$
```

on command line

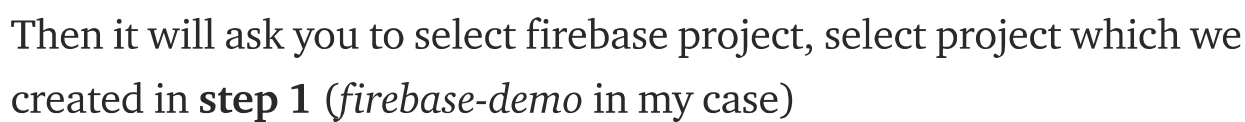
Step 3: Initializing project

To initialize firebase project you have to enter the command

```
firebase init
```

Then you have to select **Hosting** feature and click enter





If everything goes right you can check you website locally by running command


```
firebase serve
```

It will run your website locally on <http://localhost:5000> by default.

```
Aleems-MBP:firebase-demo aleem$ firebase serve

=== Serving from '/Users/aleem/Desktop/WorkSpace/Personal/firebase-demo'...

i  hosting: Serving hosting files from: public
✓  hosting: Local server: http://localhost:5000
```

Step 5: Deployment

For deployment of your project you have to run command

```
firebase deploy
```

```
Aleems-MBP:firebase-demo aleem$ firebase deploy

=== Deploying to 'fir-demo-63781'...

i  deploying hosting
i  hosting: preparing public directory for upload...
✓  hosting: 1 files uploaded successfully

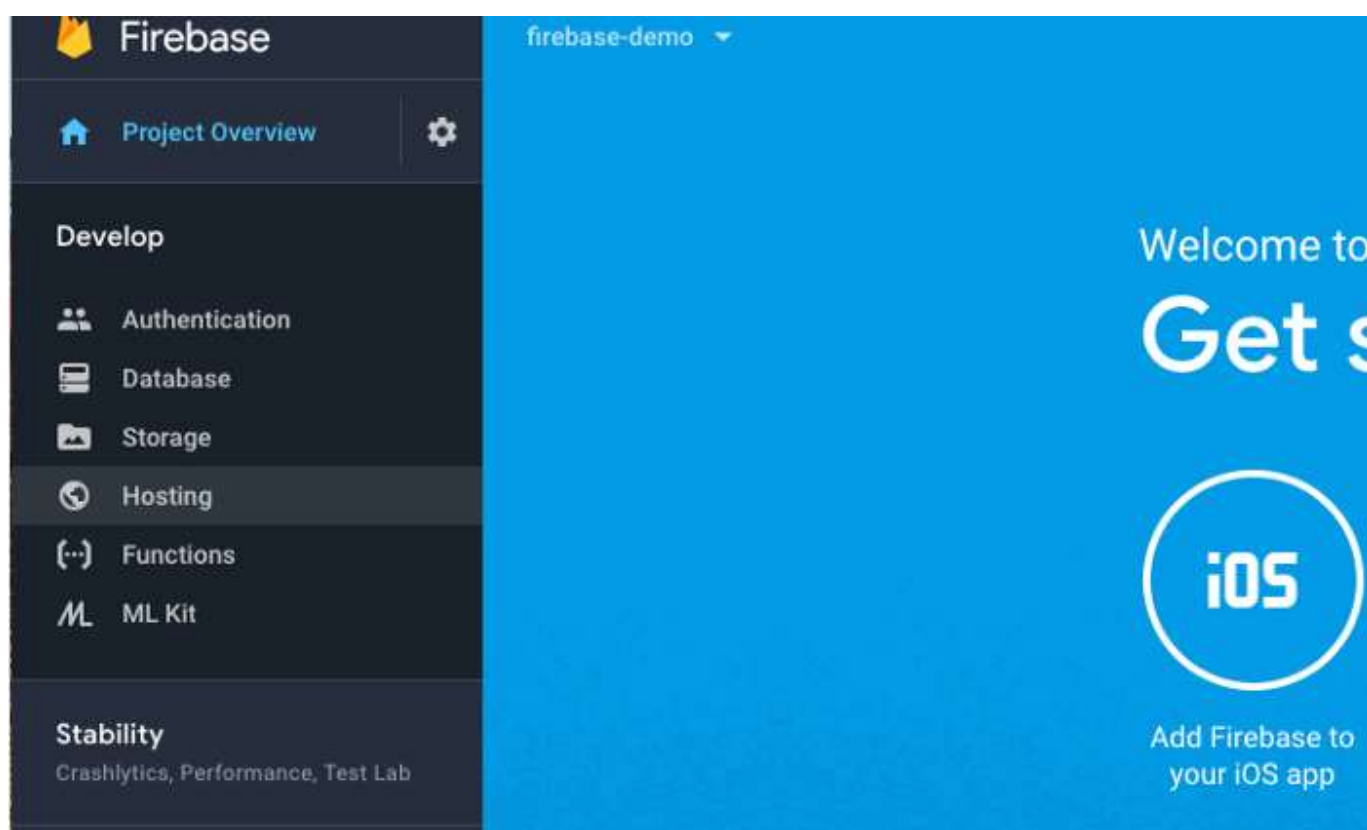
✓  Deploy complete!

Project Console: https://console.firebase.google.com/project/fir-demo-63781/overview
Hosting URL: https://fir-demo-63781.firebaseio.com
Aleems-MBP:firebase-demo aleem$
```

Congratulations! your website is now live, you can check by going to url which is provided in the command line in my case it is <https://fir-demo-63781.firebaseio.com/>

Bonus Step: Connecting your domain

Go to [firebase console](#), select the project which you've created (*firebase-demo* in my case) select hosting tab under develop tab (develop -> hosting)

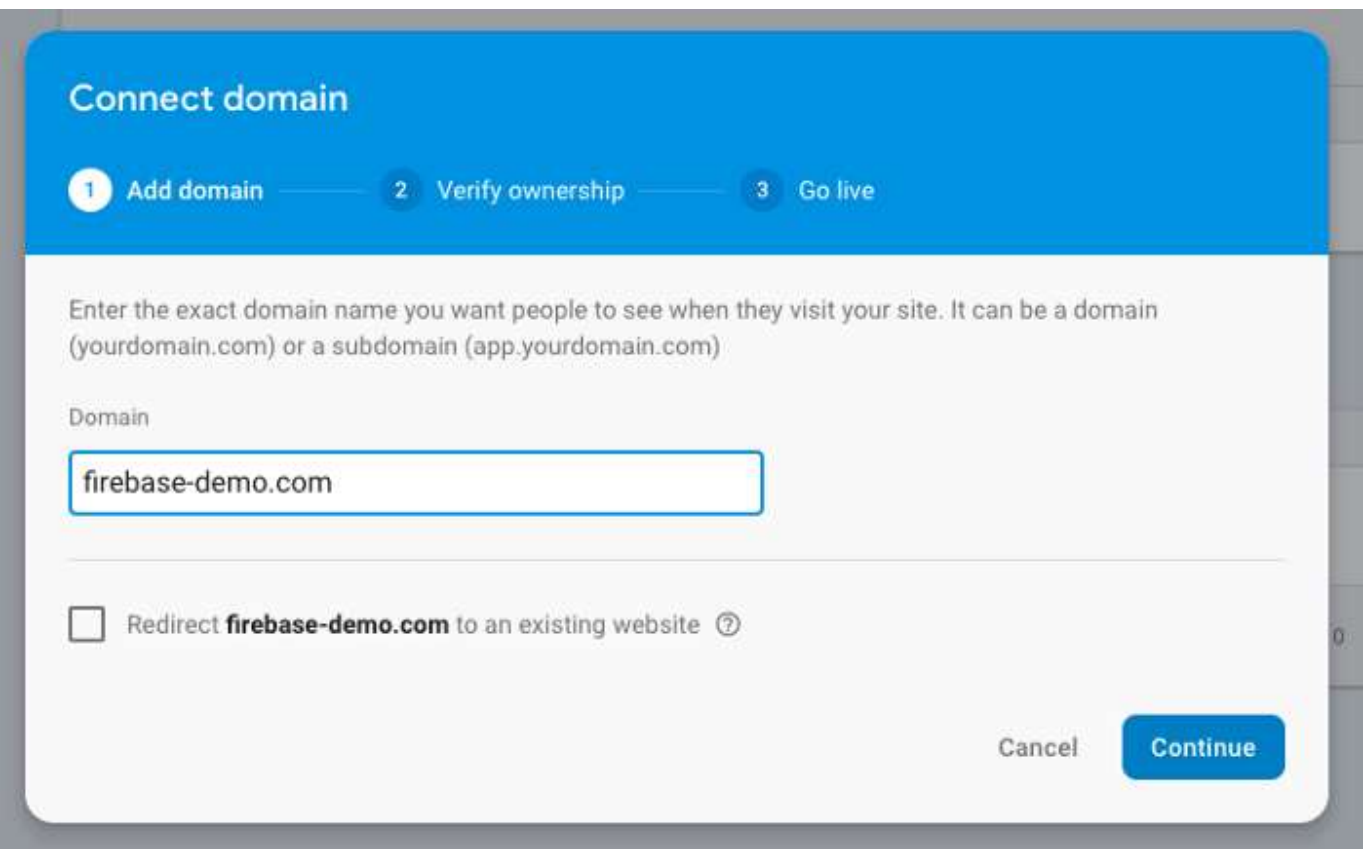




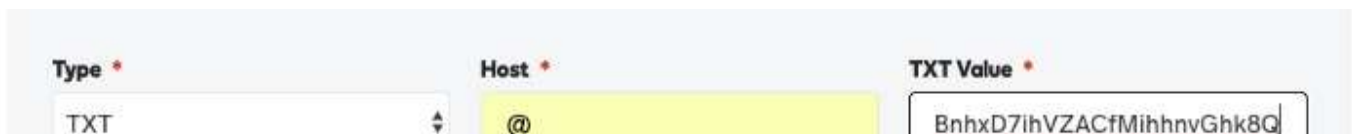
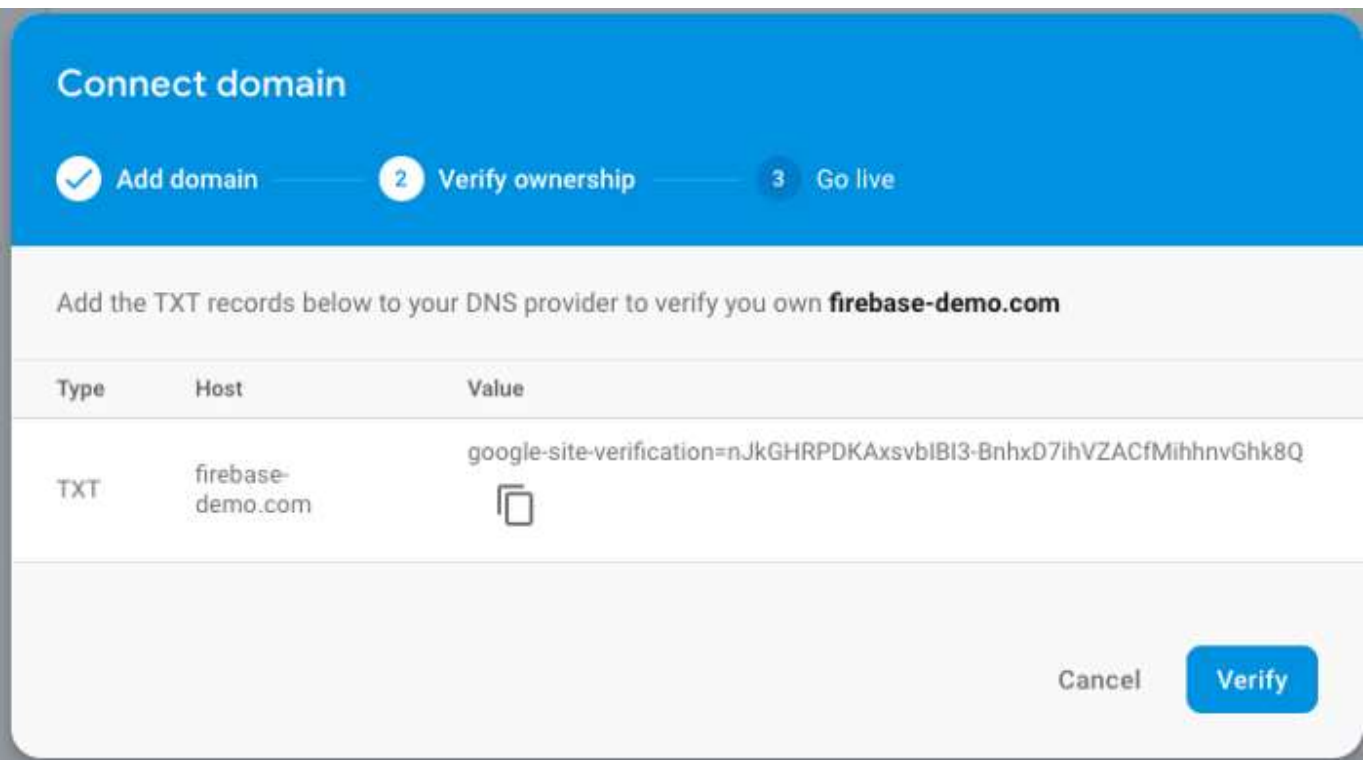
Then click on connect domain



Then enter your domain url



Then add the txt record and value into your domain provider dns





A screenshot of a DNS configuration form. It features a 'TTL' label with a red asterisk, followed by a dropdown menu currently showing '1 Hour'. At the bottom right, there are two buttons: a blue 'Save' button and a white 'Cancel' button with a grey border.

Godaddy Example

Then add A records to you domain provider dns



A screenshot of a DNS configuration form for adding an A record. It has three main fields: 'Type' with a dropdown set to 'A', 'Host' with a dropdown set to '@' (highlighted in yellow), and 'Points to' with a text input containing '151.101.1.195'. Below these is a 'TTL' dropdown set to '1 Hour'. 'Save' and 'Cancel' buttons are at the bottom right.



A screenshot of a DNS configuration form for adding an A record. It has three main fields: 'Type' with a dropdown set to 'A', 'Host' with a dropdown set to '@' (highlighted in yellow), and 'Points to' with a text input containing '151.101.65.195'. Below these is a 'TTL' dropdown set to '1 Hour'. 'Save' and 'Cancel' buttons are at the bottom right.

It will take upto **5min-1hour** depending on your domain provider to update dns records

That's how easy it is to setup your website on the firebase.

Wrap up

Thanks for reading this article. If you found this article helpful please consider sharing it. It means a lot to me.

Our website <https://bothook.com> is also hosted on firebase. :)

Also, Let's become friends on [Twitter](#), [Linkedin](#), [Github](#), and [Facebook](#)

In future, I'll be coming out with more such great content. Make sure to follow me to not miss out on action :).

