

# Angular Advanced - Firebase – Deployment



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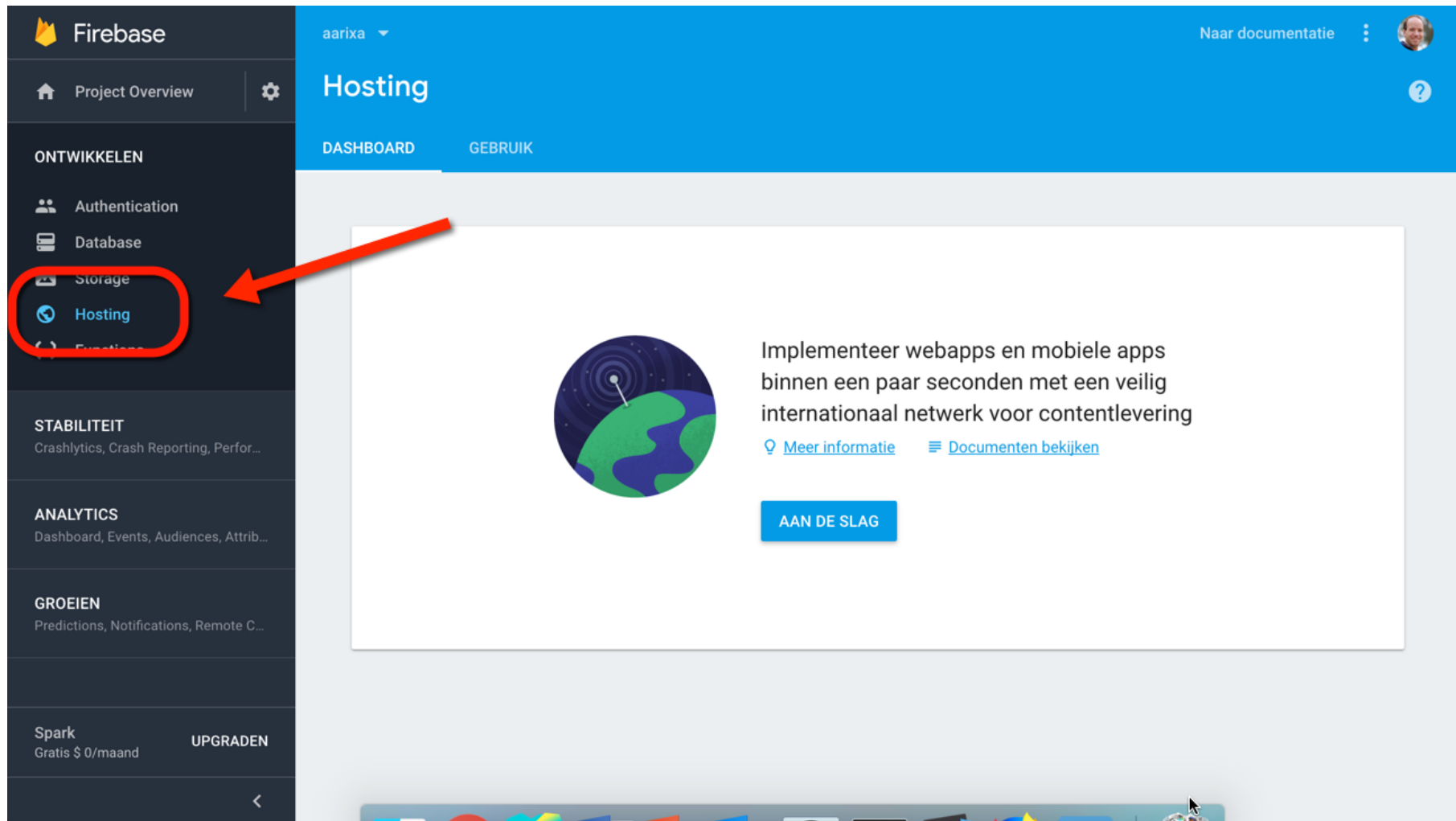
*Goal – Deploy your project to  
online Firebase-hosting  
environment*



# Build and Deploy

Host your firebase project online

# Firebase hosting – free online service




# Firebase tooling – via NPM

- Steps:

- Install firebase tools globally
- Initialize project as firebase project
- Add/edit configuration files
- Build your Angular Project `ng build`
- Use `firebase deploy` from command line

# Install firebase tools

Als u uw site wilt hosten, moet u Firebase-opdrachtregeltools installeren met 'npm' ([Node.js](#) )

Firebase-tools installeren:



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

Werkt het niet? Mogelijk moet u de [npm-rechten wijzigen](#). 

# Set up hosting per project

## Hosting instellen

1

 Installeren

2

 Implementeren

Open een terminalvenster en ga naar een directory voor uw site, of maak een directory

Log in bij Google:

\$ firebase login

Uw project starten:

\$ firebase init

Voeg de statische bestanden toe aan de implementatiemap (de standaard is openbaar)

Uw website implementeren:

\$ firebase deploy

VOLTOOIEN

# Firestore init

- Answer questions
- Angular – use `/dist` as the deploy folder!

A screenshot of a macOS terminal window titled "aarixa". The address bar shows the path "~/Desktop/aarixa" and the command "node /usr/local/bin/firebase init". The prompt "MacBook-Pro:aarixa PeterKassenaar\$" is followed by the command "firebase init". Below the command, there is a large ASCII art graphic made of fire emojis (🔥) arranged in a grid-like pattern. After the graphic, the text "You're about to initialize a Firebase project in this directory:" is displayed, followed by the path "/Users/PeterKassenaar/Desktop/aarixa". Then, a question appears: "? Which Firebase CLI features do you want to setup for this folder? Press Space to select features, then Enter to confirm your choices.". Below this, a list of options is shown with radio button indicators: Database, Firestore, Functions, Hosting, and Storage. The "Hosting" option is selected with a blue circle and preceded by a right arrow (➤). Two red arrows point from the right side of the screen towards the "Database" and "Hosting" options. At the bottom, there are some faint, partially visible lines of code or output.



```
aarixa
~/Desktop/aarixa — -bash

Firebase Realtime Database Rules allow you to define how your data should be
structured and when your data can be read from and written to.

[?] What file should be used for Database Rules? database.rules.json
✓ Database Rules for aarixa-fcdd8 have been downloaded to database.rules.json.
Future modifications to database.rules.json will update Database Rules when you
run
firebase deploy.

=== Hosting Setup

Your public directory is the folder (relative to your project directory) that
will contain Hosting assets to be uploaded with firebase deploy. If you do not
have a build process for your assets, use your build tool to generate these files
and then push them to Firebase Hosting with the Firebase CLI.

[?] What do you want to use as your public directory? dist
[?] Configure as a single-page app (rewrite all urls to /index.html)? Yes
✓ Wrote dist/index.html

i Writing configuration info to firebase.json...
i Writing project information to .firebaserc...

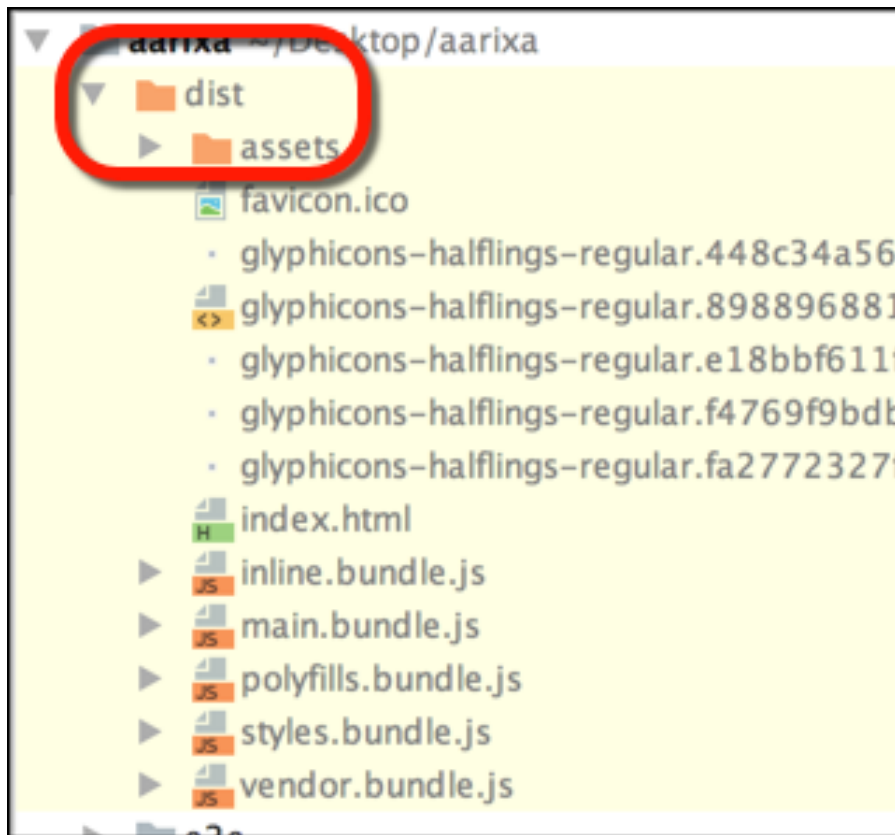
✓ Firebase initialization complete!
MacBook-Pro:aarixa PeterKassenaar$
```

## Command Line

```
1 {
2   "database": {
3     "rules": "database.rules.json"
4   },
5   "hosting": {
6     "public": "dist",
7     "ignore": [
8       "firebase.json",|
9       "**/*.*",
10      "**/node_modules/**"
11    ],
12    "rewrites": [
13      {
14        "source": "**",
15        "destination": "/index.html"
16      }
17    ]
18  }
19 }
20
```

# Build project

- Default Angular CLI command `ng build` or `ng build --prod`



# Deploy project – firebase deploy

```
MacBook-Pro:aarixa PeterKassenaar$ firebase deploy
```

```
=== Deploying to 'aarixa-fcdd8'...
```

```
i  deploying database, hosting
```

```
i  database: checking rules syntax...
```

```
✓  database: rules syntax for database aarixa-fcdd8 is valid
```

```
i  hosting: preparing dist directory for upload...
```

```
✓  hosting: 18 files uploaded successfully
```

```
i  database: releasing rules...
```

```
✓  database: rules for database aarixa-fcdd8 released successfully
```

```
✓  Deploy complete!
```

```
Project Console: https://console.firebase.google.com/project/aarixa-fcdd8/overview
```

```
Hosting URL: https://aarixa-fcdd8.firebaseio.com
```

```
MacBook-Pro:aarixa PeterKassenaar$
```

# Check online!

**List of Aarixa Academie attendees:**

Name	Email	Remove
Peter Kassenaar	info@kassenaar.com	<button>Remove</button>
Nick Bukers	nick.bukers@gmail.com	<button>Remove</button>
Erwin Tips	erwin.tips@aarixa.be	<button>Remove</button>

**Add attendee**

Add attendee

Two red arrows point from the 'Remove' button of the last attendee to the 'Add attendee' button.

# Manage in Firebase console

The screenshot shows the Firebase Hosting console for a project named 'aarixa'. The left sidebar contains navigation links for Project Overview, Authentication, Database, Storage, Hosting (selected), and Functions. Below these are sections for STABILITEIT, ANALYTICS, GROEIEN, and Spark. The main content area is titled 'Hosting' and has tabs for 'DASHBOARD' and 'GEBRUIK'. Under 'DASHBOARD', there is a 'Domein' section with a 'DOMEIN KOPPELEN' button and a table showing the domain 'aarixa-fcdd8.firebaseio.com' with a 'Standaard' type. Below this is an 'Implementatiegeschiedenis' section with a table showing deployment history.

Domein	Type	Status
aarixa-fcdd8.firebaseio.com	Standaard	

Status	Tijd	Implementeren	Bestanden
★ Actueel	19 nov. 2017 11:23	peter.kassenaar@gmail.com EJv6bi	18

Rijen per pagina: 10 1-1 van 1

