

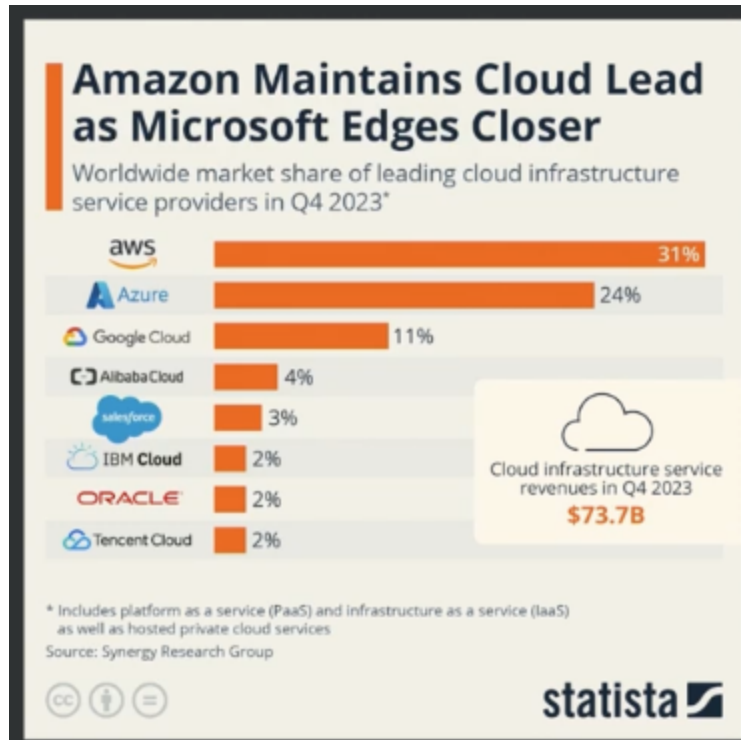


Firebase

google的移动开发平台

用于构建web、移动应用

aws、 azure、 cloudflare



我们会用firebase来部署我们的web应用

<https://firebase.google.com/>

用一个前端项目演示

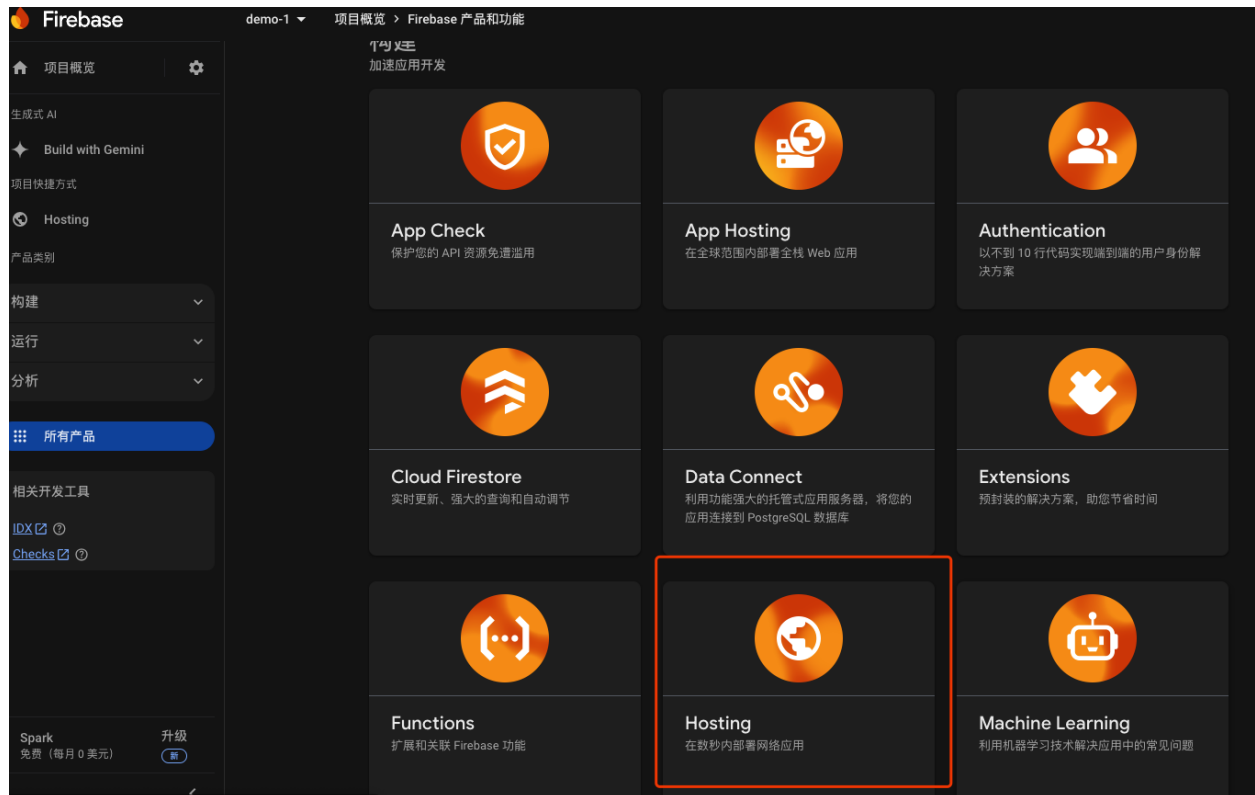
或者你的html文件....

创建一个项目

到firebase控制台中创建一个项目

会需要一点时间....

<https://firebase.google.com/>



Firebase CLI

Firebase Tools

<https://firebase.google.com/docs/cli?hl=zh-cn>

Firebase Admin

<https://firebase.google.com/docs/admin/setup?hl=zh-cn>

这些工具允许你通过编程使用一些firebase网站上的功能。

我们会用这个工具来做项目前端的部署。

文档中写了如何安装工具

mac环境

```
curl -sL https://firebase.tools | bash
```

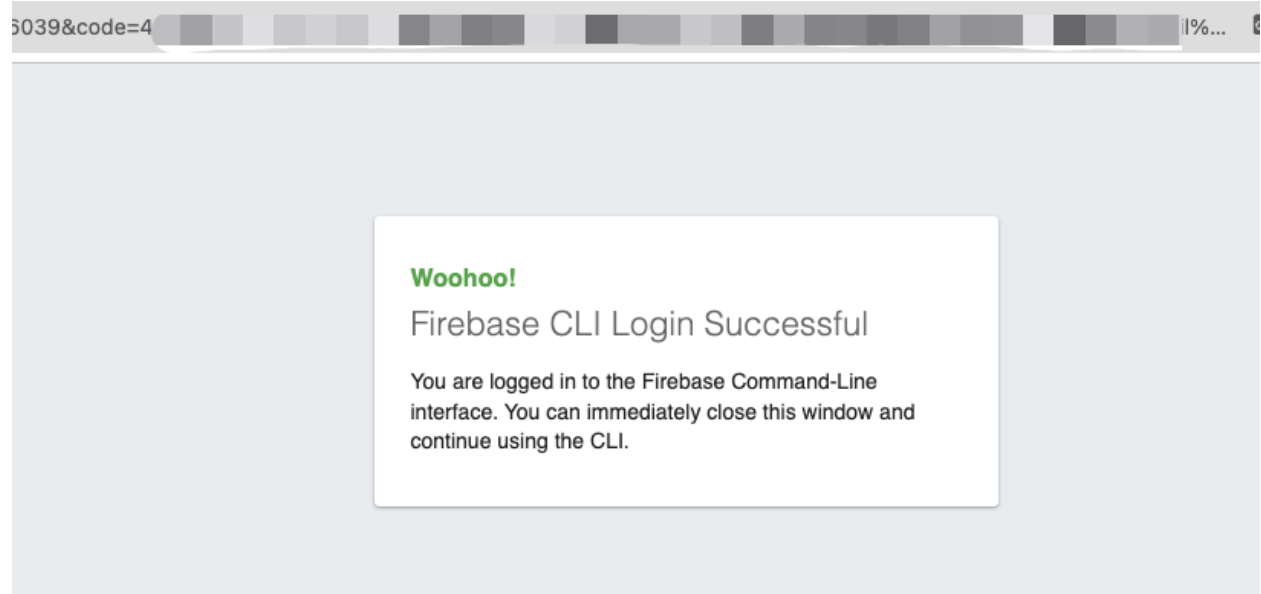
```
npm i -g firebase-admin
```

firebase-tools是CLI的二进制文件，firebase-admin是一个你需要使用到的库

如果你之前没有登陆...

```
firebase login
```

会打开网页，授权，然后回到命令行



```

1 Firebase optionally collects CLI and Emulator Suite usage and error reporting information to help improve our products. Data is collected
in accordance with Google's privacy policy (https://policies.google.com/privacy) and is not used to identify you.

7 Allow Firebase to collect CLI and Emulator Suite usage and error reporting information? Yes
1 To change your data collection preference at any time, run `firebase logout` and log in again.

Visit this URL on this device to log in:
https://accounts.google.com/o/oauth2-v2-auth?client\_id=689035555555-111111111111-111111111111-111111111111.apps.googleusercontent.com&scope=email%20openid%20profile%20https://www.googleapis.com/auth/cloud-platform

Waiting for authentication...

✓ Success! Logged in as aeoluj@gmail.com

```

回到你的项目文件下

```
firebase init
```

选择你的项目

设置想发送到internet的dir

build

```
? Please select an option: Use an existing project
? Select a default Firebase project for this directory: fir-1-28286 (demo-1)
i Using project fir-1-28286 (demo-1)

=== 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
have a build process for your assets, use your build's output directory.

? What do you want to use as your public directory? build
? Configure as a single-page app (rewrite all urls to /index.html)? Yes
? Set up automatic builds and deploys with GitHub? No
✓ Wrote build/index.html

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

✓ Firebase initialization complete!
```

package.json中添加一个新的scripts

```
npm run build && firebase deploy
```

`firebase deploy` 会将你的应用push到firebase提供的cloud服务上

```
vite v6.0.1 building for production...
✓ 30 modules transformed.
build/index.html          0.46 kB | gzip: 0.29 kB
build/assets/react-CHdo91hT.svg 4.13 kB | gzip: 2.05 kB
build/assets/index-n_ryQ3BS.css 1.39 kB | gzip: 0.71 kB
build/assets/index-u0412iEj.js 143.90 kB | gzip: 46.34 kB
✓ built in 366ms

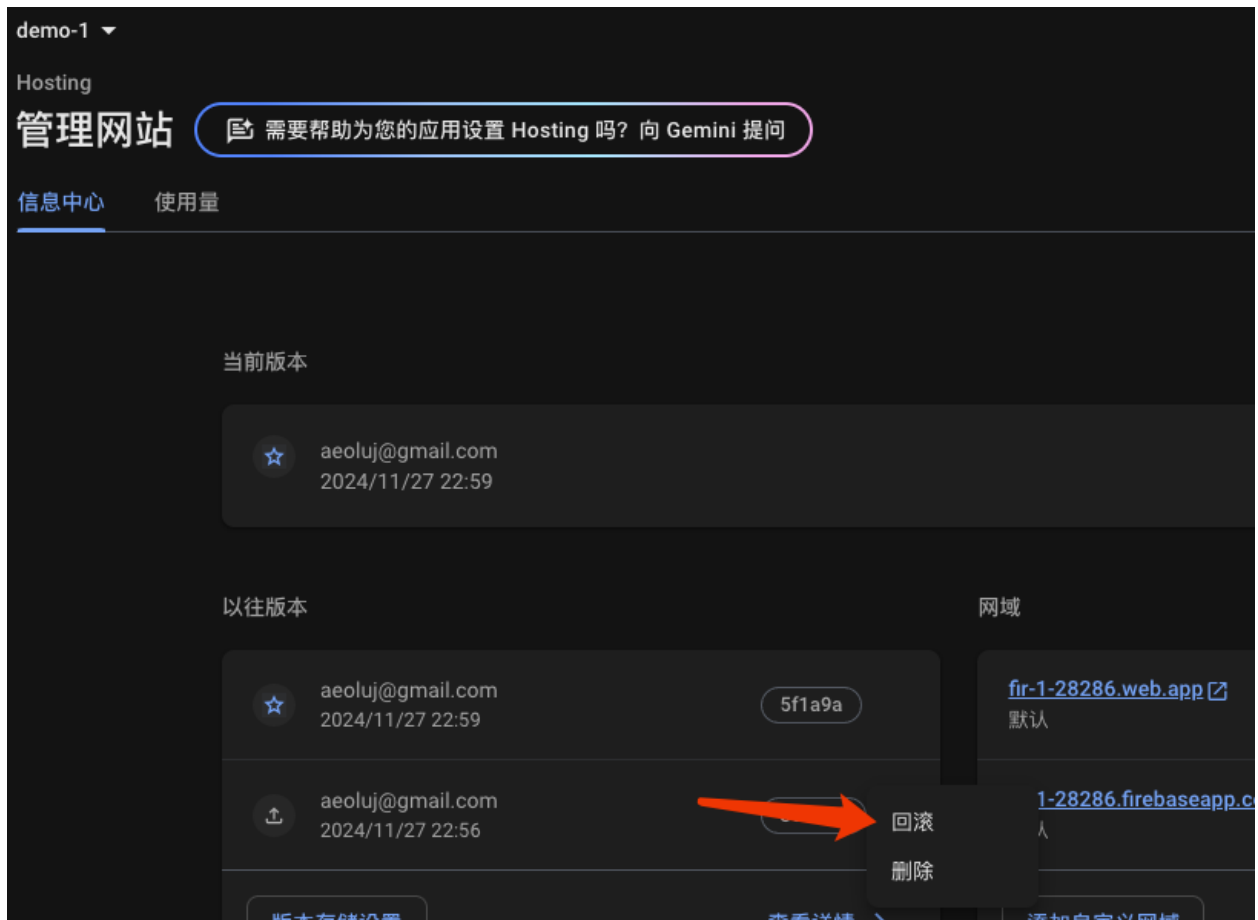
=== Deploying to 'fir-1-28286'...

i deploying hosting
i hosting[fir-1-28286]: beginning deploy...
i hosting[fir-1-28286]: found 5 files in build
✓ hosting[fir-1-28286]: file upload complete
i hosting[fir-1-28286]: finalizing version...
✓ hosting[fir-1-28286]: version finalized
i hosting[fir-1-28286]: releasing new version...
✓ hosting[fir-1-28286]: release complete

✓ Deploy complete!

Project Console: https://console.firebase.google.com/project/fir-1-28286/overview
Hosting URL: https://fir-1-28286.web.app
```

你每次的部署都会被展示在服务中，如果你部署出错了，你可以回退到之前的部署



这对CD workflow来说很方便，你可以把它接入到CI当中（比如Travis CI）

举个例子

- push to master
- run & build
- 如果失败回滚到之前的部署版本

显示指定项目

```
firebase deploy --project ${PROJECT_ID}
```

