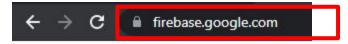


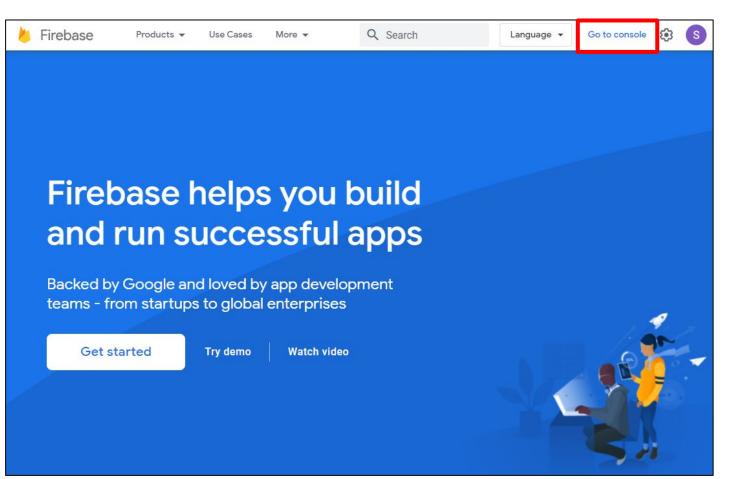
Application Systems Development for Business Analytics

Creating Firebase Account and Firestore Database

Shashank Shekhar Tripathi



Login with your gmail account.



Tools from Google for building app infrastructure, improving app quality and growing your business

Create a project

Let's start with a name for your project®



Google Analytics for your Firebase project

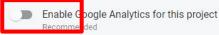
Google Analytics is a free and unlimited analytics solution that enables targeting, reporting and more in Firebase Crashlytics, Cloud Messaging, In-App Messaging, Remote Config, A/B Testing, Predictions and Cloud Functions.

2

Google Analytics enables:

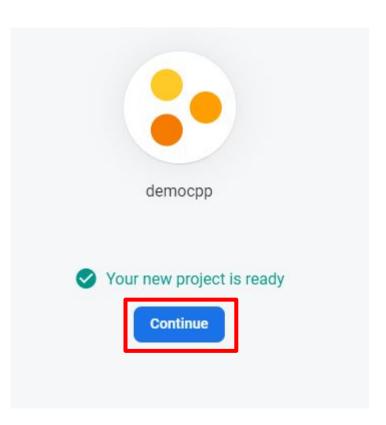
- X A/B testing ①
- User segmentation and targeting across Firebase products
- X Predicting user behaviour ①

- ★ Crash free users ②
- X Event based Cloud Functions triggers ①
- X Free unlimited reporting ①

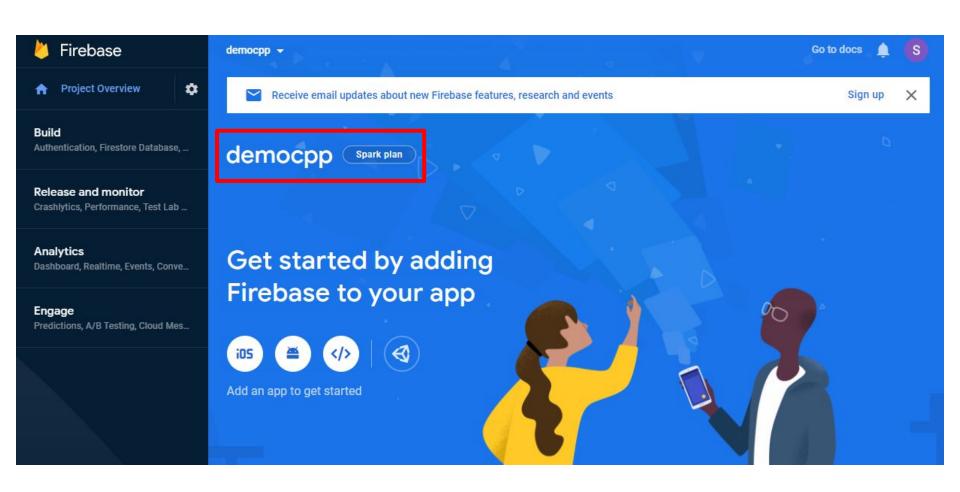


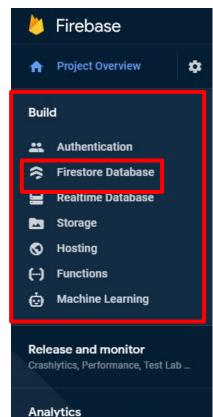
Not mandatory

Create project



Previous



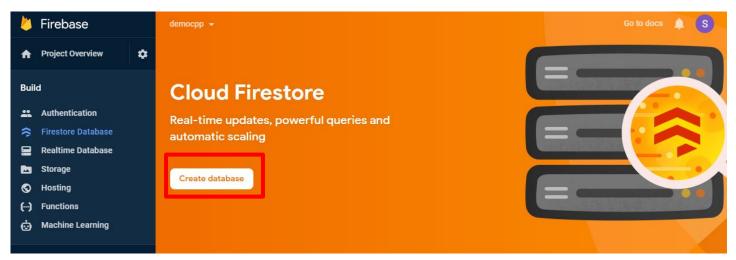


Dashboard, Realtime, Events, Conve...

Predictions, A/B Testing, Cloud Mes...

Engage

Firestore





1 Secure rules for Cloud Firestore

2 Set Cloud Firestore location

After you've defined your data structure, you will need to write rules to secure your data.

Learn more [2]

Start in production mode

Your data is private by default. Client read/write access will only be granted as specified by your security rules.

O Start in test mode

Your data is open by default to enable quick setup. However, you must update your security rules within 30 days to enable long-term client read/write access.

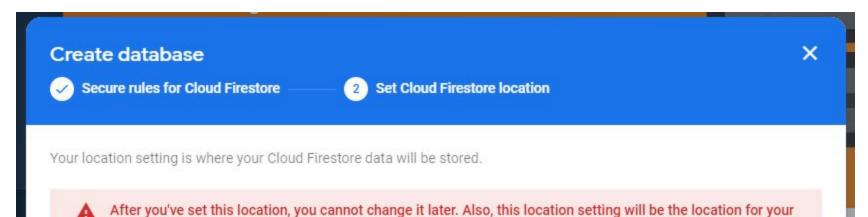
```
rules_version = '2';
service cloud.firestore {
  match /databases/{database}/documents {
    match /{document=**} {
      allow read, write: if
         request.time < timestamp.date(2021, 8, 20);
    }
  }
}</pre>
```

The default security rules for test mode allow anyone with your database reference to view, edit and delete all data in your database for the next 30 days

Enabling Cloud Firestore will prevent you from using Cloud Datastore with this project, notably from the associated App Engine app

Cancel

Next



Learn more

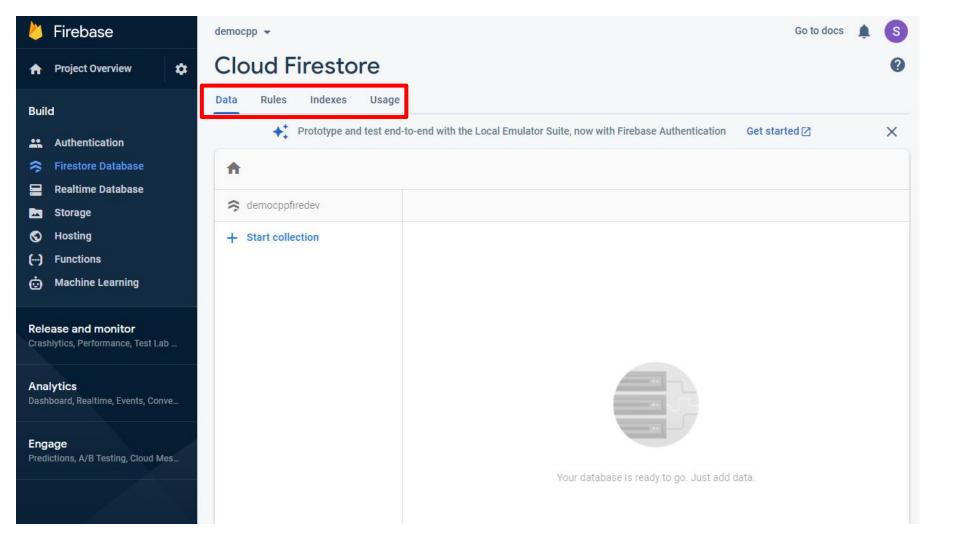
Cloud Firestore location
asia-south1

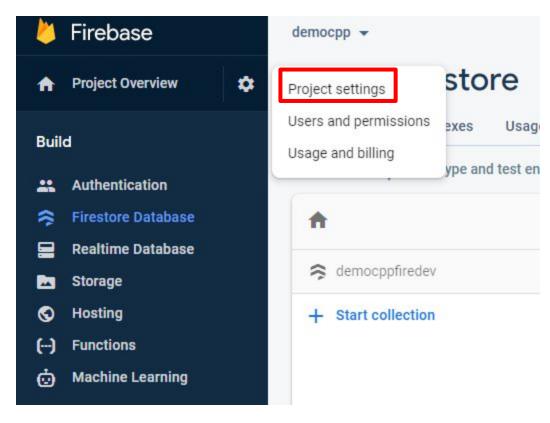
default Cloud Storage bucket.

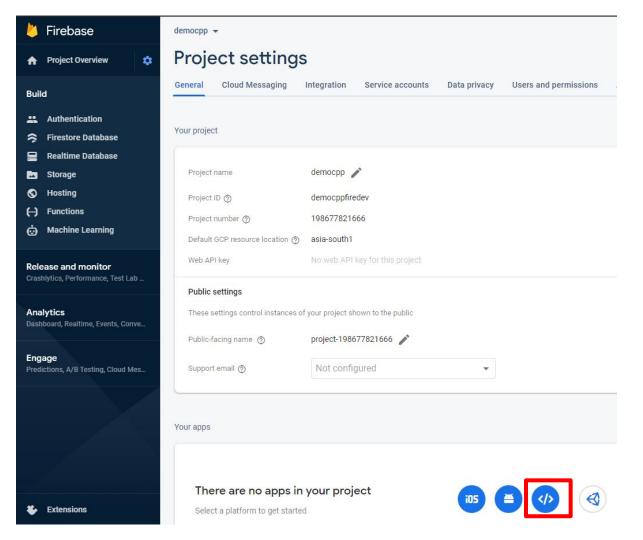
Enabling Cloud Firestore will prevent you from using Cloud Datastore with this project, notably from the associated App Engine app

Cancel

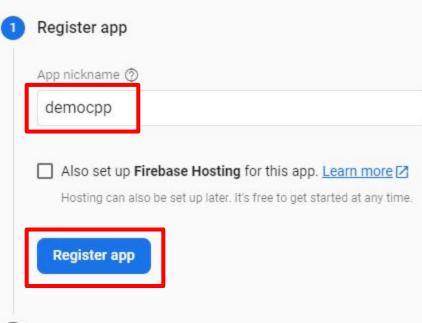
Enable





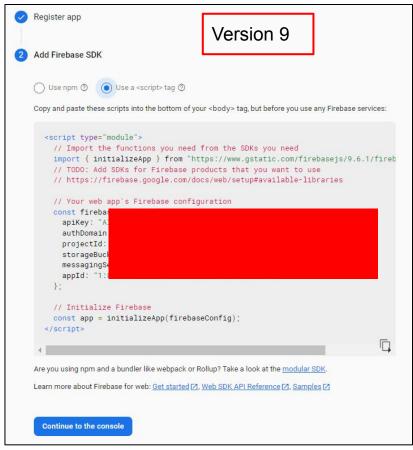


× Add Firebase to your web app

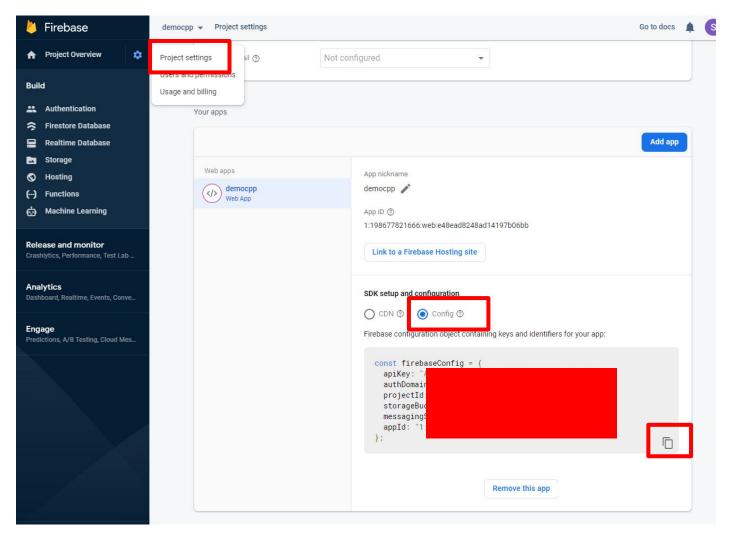


Add Firebase SDK

```
Register app
                                    Version 8
Add Firebase SDK
Copy and paste these scripts into the bottom of your <body> tag, but before you use any Firebase services
  <!-- The core Firebase JS SDK is always required and must be listed first --:
  <script src="https://www.gstatic.com/firebasejs/8.7.1/firebase-app.js"></scr:</pre>
  <!-- TODO: Add SDKs for Firebase products that you want to use
        https://firebase.google.com/docs/web/setup#available-libraries -->
   <script>
    // Your web app's Firebase configuration
     var firebaseConfig = {
       apiKev:
       authDoma
       projectI
       storageE
       messagir
       appId:
    // Initialize Firebase
    firebase.initializeApp(firebaseConfig);
   </script>
Are you using NPM and a bundler like webpack or Rollup? Take a look at the modular SDK [7], currently in be
  Continue to the console
```



Only copy the credentials. copy CDN from class slides



Can also get the credentials from Project settings