

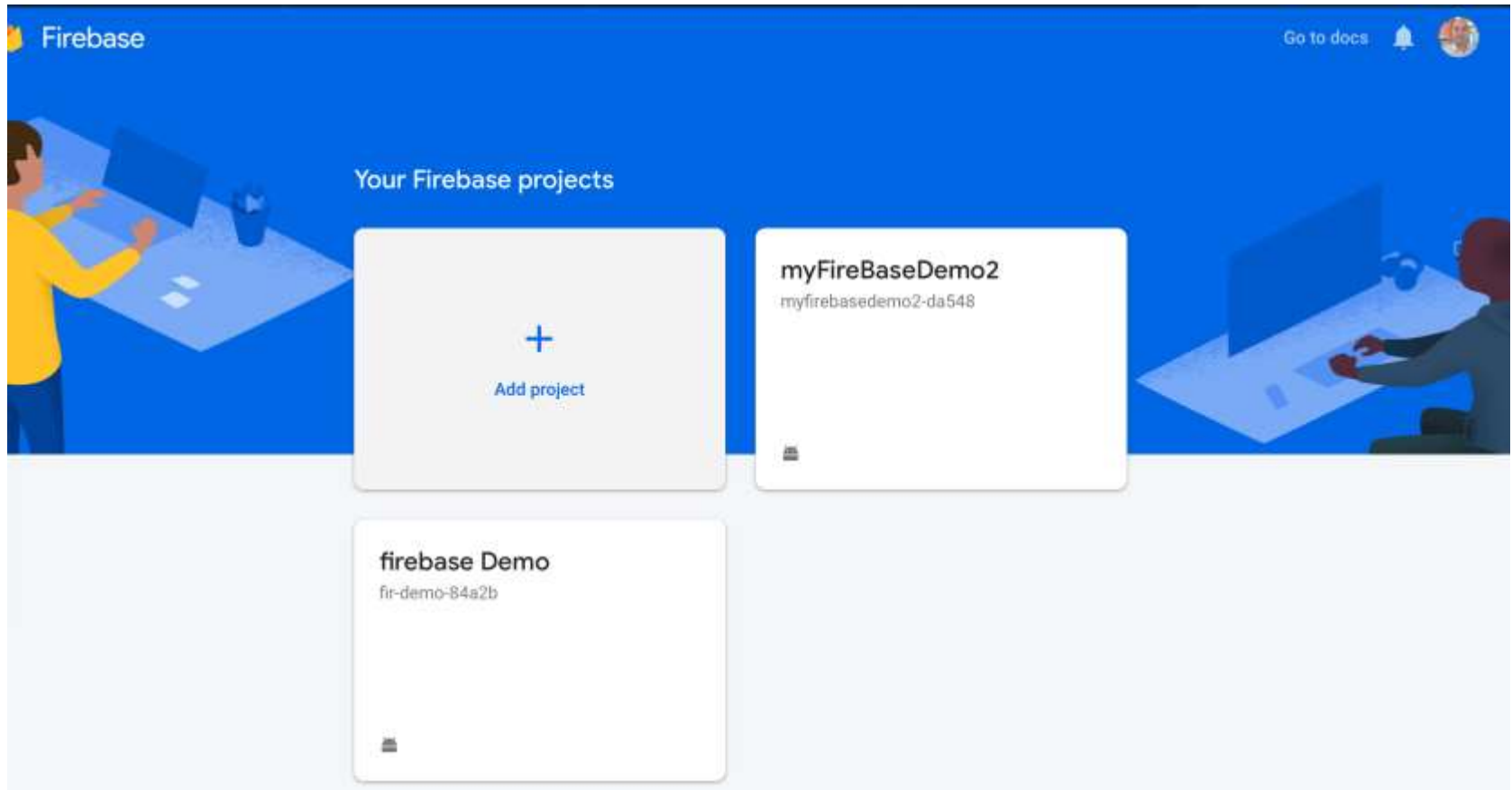


# Mobil Programlama

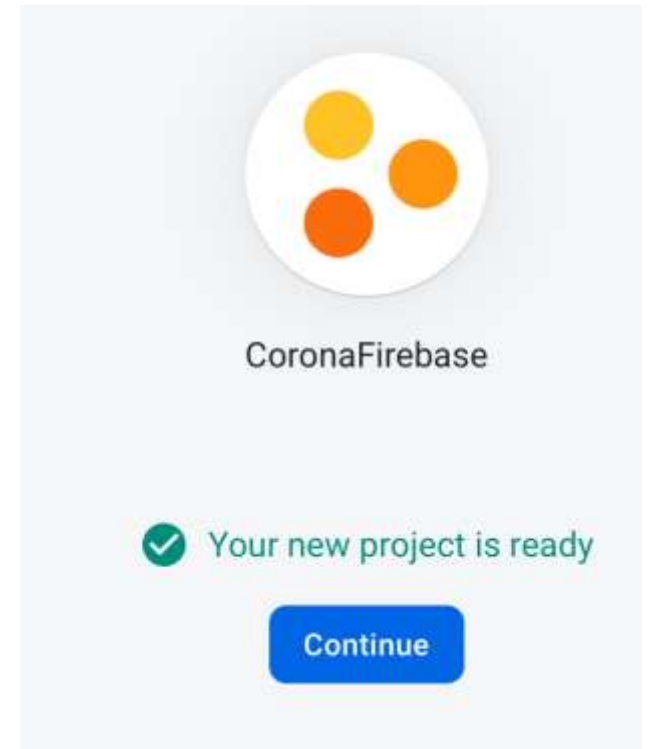
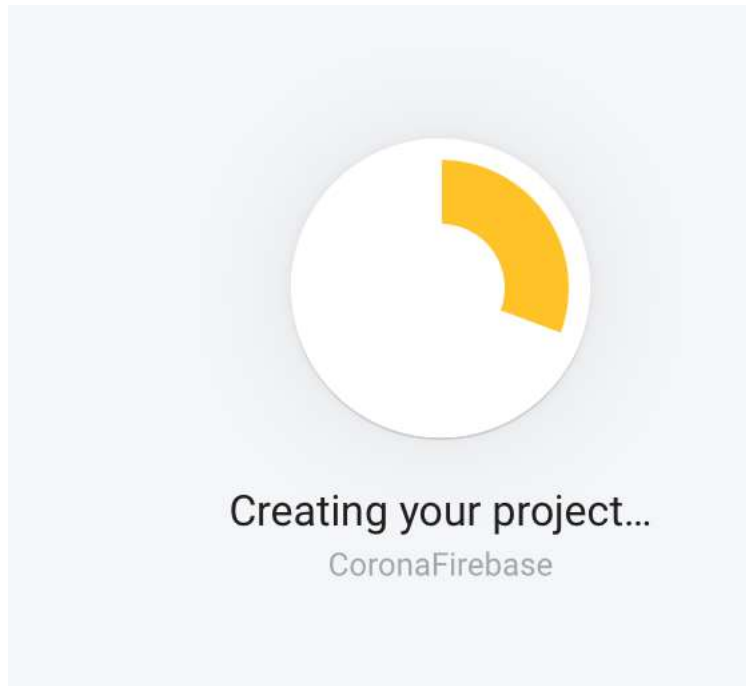
Hafta 12



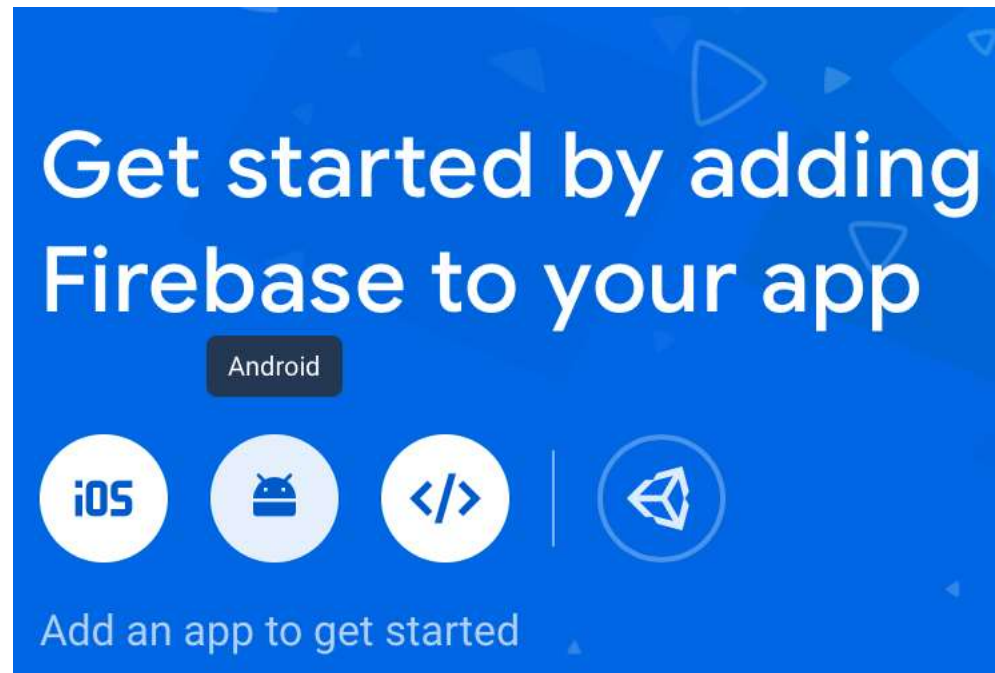
# Firebase



- Proje Ekle
- Account Seç
- 



- Android için ekleme yapılır.



11/11/11

## 1

Android package name [?](#)

com.company.appname

App nickname (optional) 

My Android App

Debug signing certificate SHA-1 (optional) 

00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:f

Required for Dynamic Links, invites, and Google Sign-In or phone number support in Auth. Edit SHA-1s in Settings.

Register app

## 2

## 2

Instructions for Android Studio below | [Unity](#) [C++](#)

[Download google-services.json](#)

Switch to the **Project** view in Android Studio to see your project root directory.

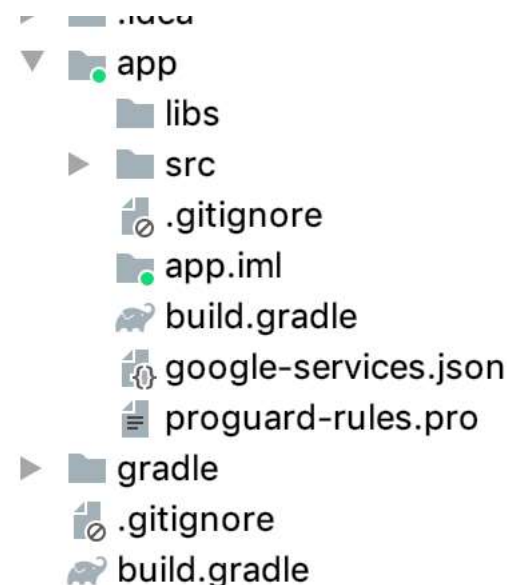
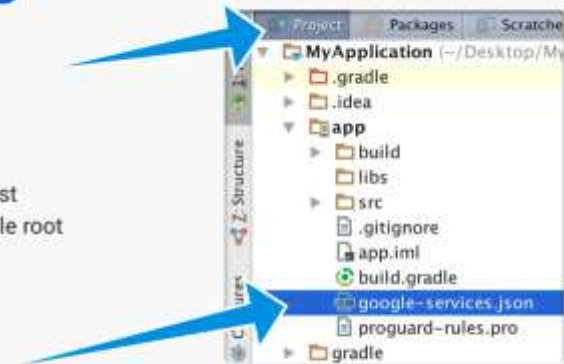
Move the `google-services.json` file you just downloaded into your Android app module root directory.



google-services.json

[Previous](#)

Next





The Google services plugin for [Gradle](#) loads the `google-services.json` file you just downloaded. Modify your `build.gradle` files to use the plugin.

Project-level `build.gradle` (<project>/`build.gradle`):

```
buildscript {  
    repositories {  
        // Check that you have the following line (if not, add it):  
        google() // Google's Maven repository  
    }  
    dependencies {  
        ...  
        // Add this line  
        classpath 'com.google.gms:google-services:4.3.3'  
    }  
}  
  
allprojects {  
    ...  
    repositories {  
        // Check that you have the following line (if not, add it):  
        google() // Google's Maven repository  
        ...  
    }  
}
```





App-level build.gradle (<project>/<app-module>/build.gradle):

```
apply plugin: 'com.android.application'
// Add this line
apply plugin: 'com.google.gms.google-services'

dependencies {
    // add the Firebase SDK for Google Analytics
    implementation 'com.google.firebase:firebase-analytics:17.2.2'
    // add SDKs for any other desired Firebase products
    // https://firebase.google.com/docs/android/setup#available-libraries
}
```

Finally, press "Sync now" in the bar that appears in the IDE:

Gradle files have changed since last sync. [Sync now](#)



```
<uses-permission android:name="android.permission.INTERNET"></uses-permission>
<application
```



implementation 'com.google.firebase:firebase-database:19.2.0'

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);
```

```
    setContentView(R.layout.activity_main);
```

```
    DatabaseReference dbRef= FirebaseDatabase.getInstance().getReference();
```

```
    Map<String,String> values = new HashMap<>();
```

```
    values.put("name", "Trabzonspor");
```

```
    dbRef.push().setValue(values, new DatabaseReference.CompletionListener() {
```

```
        @Override
```

```
        public void onComplete(@Nullable DatabaseError databaseError,
```

```
                                @NonNull DatabaseReference databaseReference) {
```

```
            if (databaseError==null){
```

```
                Log.i( tag: "INFO", msg: "KAYIT BAŞARILI");
```

```
            }else
```

```
                Log.i( tag: "INFO", msg: "BAŞARISIZ");
```

```
        }
```

```
    });
```

```
}
```

```
ebasesdemo V/FA: Processing queued up
```

```
ebasesdemo W/RepoOperation: setValue a
```

```
ebasesdemo I/INFO: BAŞARISIZ
```

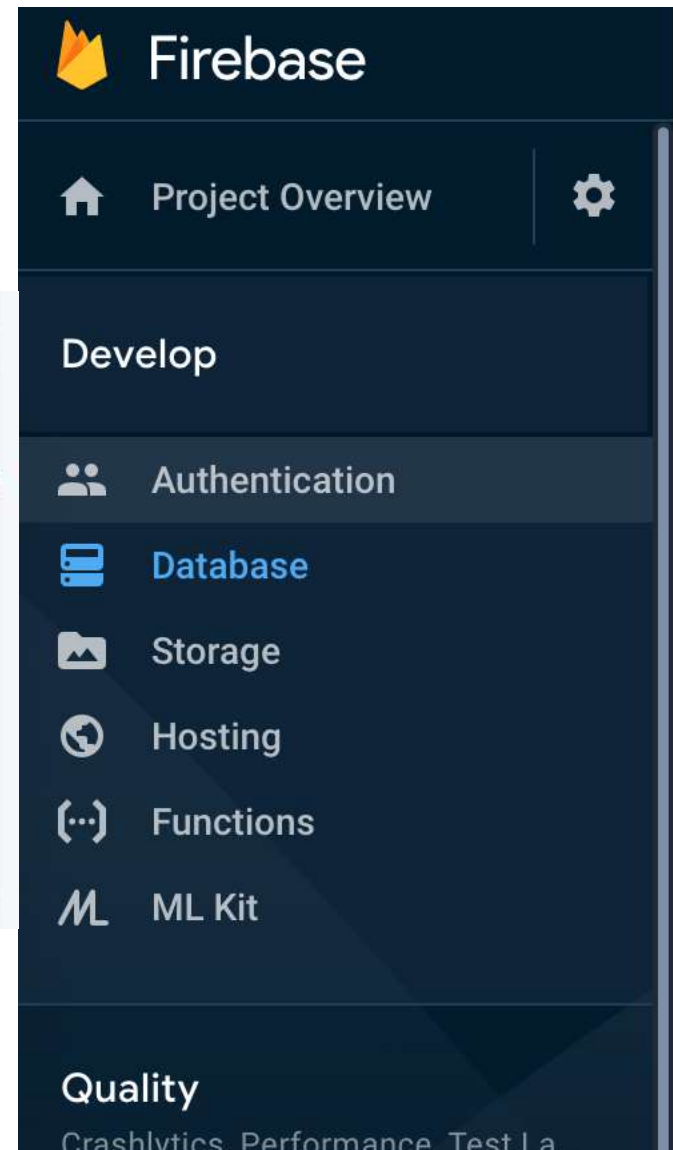
```
ebasesdemo D/FA: Application going to
```





- <https://firebase.google.com/docs/android/setup>
- Yeni firebase veritabanı açılır
- Rule

```
1 rules_version = '2';
2 service cloud.firestore {
3   match /databases/{database}/documents {
4
5     // This rule allows anyone on the internet to view, edit, and delete
6     // all data in your Firestore database. It is useful for getting
7     // started, but it is configured to expire after 30 days because it
8     // leaves your app open to attackers. At that time, all client
9     // requests to your Firestore database will be denied.
10    //
11    // Make sure to write security rules for your app before that time,
12    // your app will lose access to your Firestore database
13    match /{document=**} {
14      allow read, write: if request.time < timestamp.date(2020, 6, 5);
15    }
16  }
17 }
```





# Database

Realtime Database

Data Rules Backups Usage

★ Default security rules are locked from access

```
1 {  
2   /* Visit https://firebase.google.com/docs/databases  
3   "rules": {  
4     ".read": false,  
5     ".write": false  
6   }  
7 }
```



●

```
sdemo D/FA: Connected to remote service
sdemo V/FA: Processing queued up service tasks: 5
sdemo I/INFO: KAYIT BAŞARILI
sdemo D/FA: Application going to the background
sdemo V/FA: Inactivity, disconnecting from the service
```



# Get a DatabaseReference

To read or write data from the database, you need an instance of `DatabaseReference` :

Java

Kotlin+KTX

Android

Android

```
private DatabaseReference mDatabase;  
// ...  
mDatabase = FirebaseDatabase.getInstance().getReference();
```

N

<https://firebase.google.com/docs/database/android/read-and-write?authuser=0>

# Read and write data

## Basic write operations

For basic write operations, you can use `setValue()` to save data to a specified reference, replacing any existing data at that path. You can use this method to:

- Pass types that correspond to the available JSON types as follows:
  - `String`
  - `Long`
  - `Double`
  - `Boolean`
  - `Map<String, Object>`
  - `List<Object>`



# AdMob

- <https://firebase.google.com/docs/admob/android/quick-start>



# Admob

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