



GDG DEV BOOTCAMP



INTRODUCTION TO FIREBASE



SOMMAIRE

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01

WHAT IS FIREBASE



What is **Firebase**

Google **Firebase** is a Google-backed application development software that enables developers to build , improve, and grow iOS, Android and web applications.



02

WHY USE FIREBASE



Why use FIREBASE

1. Create Application without backend server
2. Sync real time data in the application
3. You can provide any connection to a social network with very few lines of code.
4. NoSQL database so it is more faster
5. Free && Cross-platform



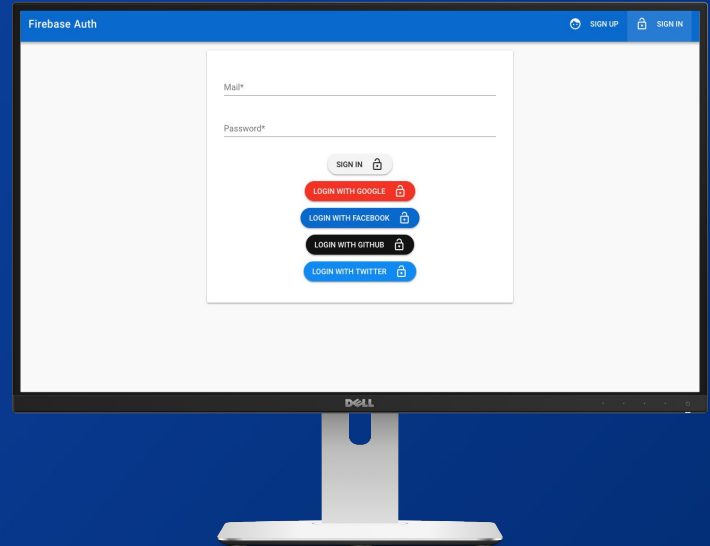
03

FIREBASE SERVICES



Authentication

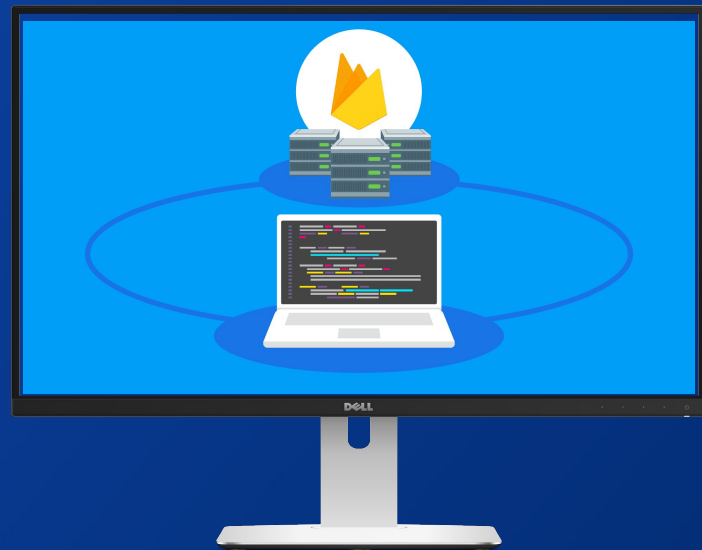
1. Authentication && Account management
2. Supports :
 - Email && Password
 - Phone number
 - Social providers (Facebook, Github..)





Realtime Database

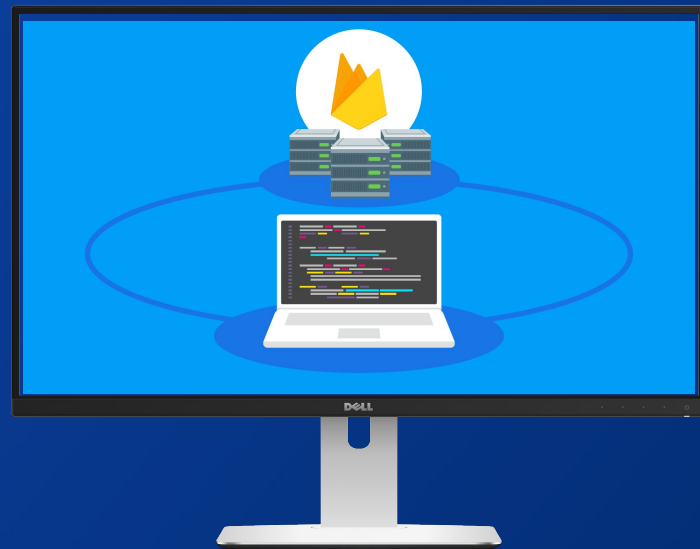
1. NoSQL Database
2. directly access from your application
3. Synchronisation
4. Stores data as a large JSON tree





Firestore Database

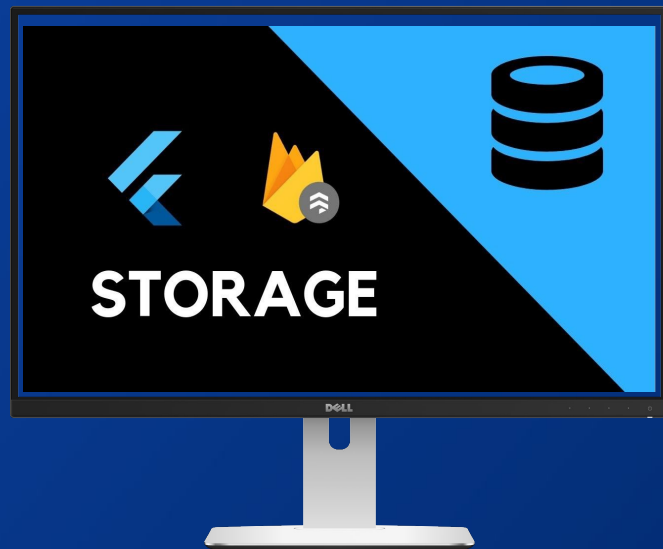
1. NoSQL Database
2. directly access from your application
3. Synchronisation
4. Stores data as collections of documents.





Storage

1. Accept different types of files
2. Files can be secured for specific users or groups of users
3. Downloads are automatically restarted in the event of a bad network connection





Hosting

Deploy web and mobile applications





Machine Learning

1. Easy to integrate Models in your app.
2. Firebase Machine Learning Core Features :
 - With Firebase machine learning, you can deploy custom models .
 - With the help of Firebase machine learning, you can train your models.





03

FIREBASE APPLICATION



CLONE GDG-GDB repository from [mohamedaminebentayeb](#)

Let's start **coding**