Firestore Introduction

Section 8

In this section

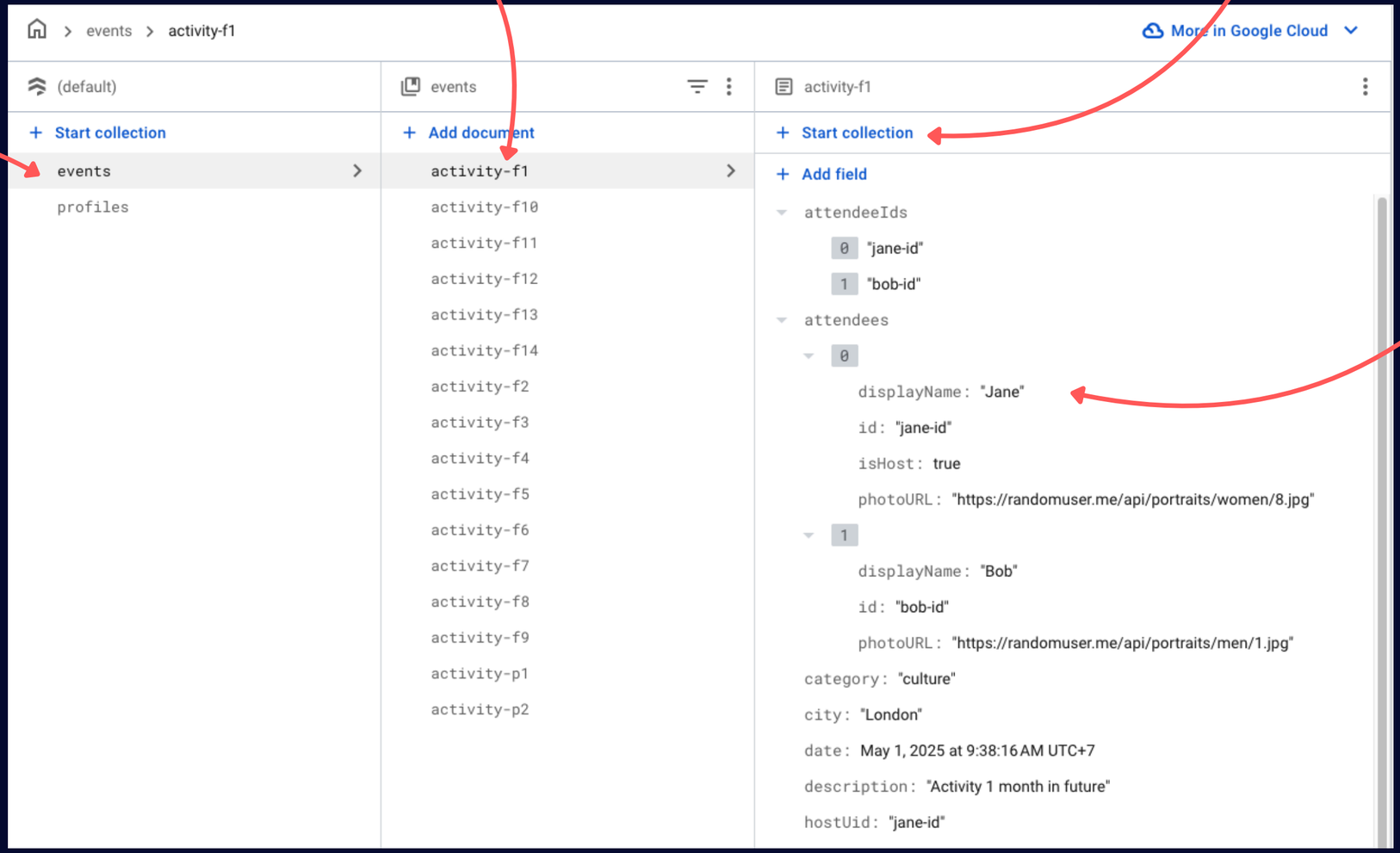
- Firestore - what is it?
- Collections + documents
- Plugging Firestore into the app

Document

Subcollection

Collection

Fields



Collection

Can have up to 1 million docs returned per query

No maximum limit of docs in collection (millions+)

Documents

A document can have as many subcollections as you want

Each subcollection can contain documents with their own subcollections. No limit

A document can be up to 1Mb in size (hard limit)

Approx 1 million characters or 20,000 items in an array

Fields

Primitive types

- string
- number (int or double)
- boolean
- null

Complex types

- map (nested objects)
- array (can be mixed types)

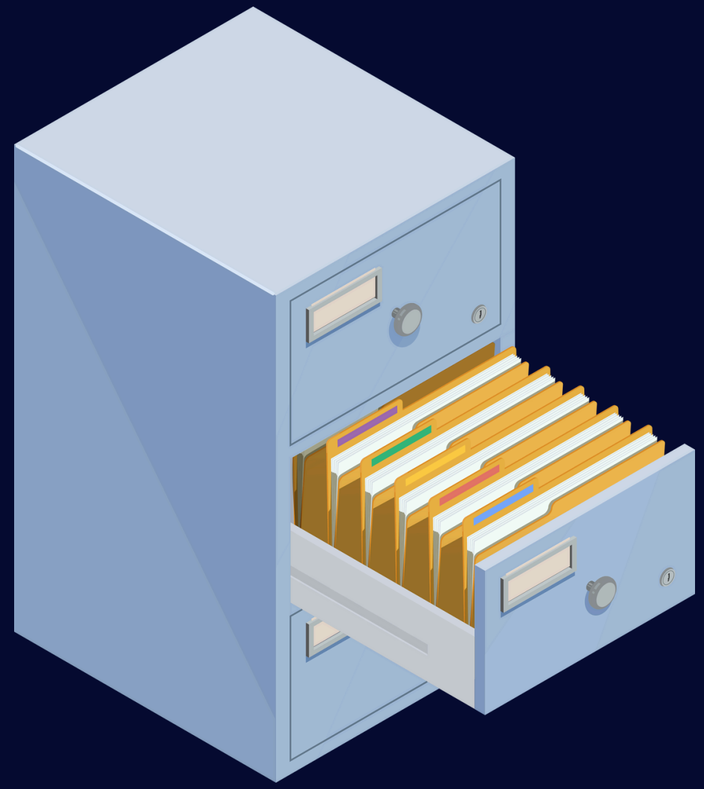
Firestore types

- timestamp
- geopoint
- reference
- bytes

What is Firestore?

1. NoSQL Datbase
2. More structured than Firebase
3. Easier to query than Firebase
4. Highly scalable fast, realtime database

NoSQL vs SQL



The goal of this section

Summary

In this section

- Firestore - what is it?
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FAQ

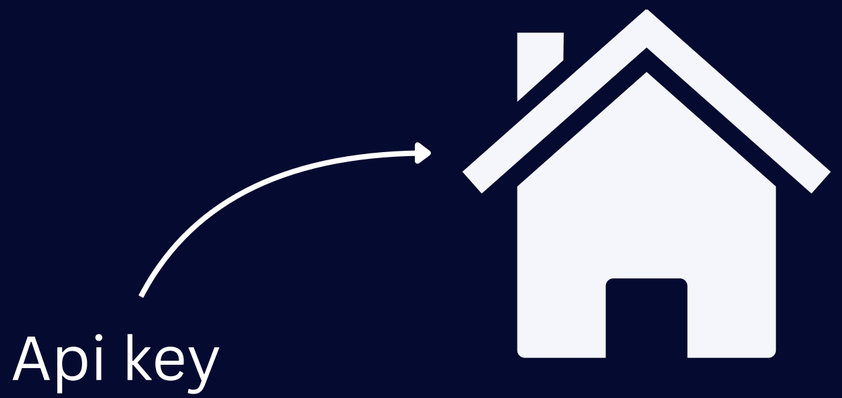
Can I lock the DB down now?

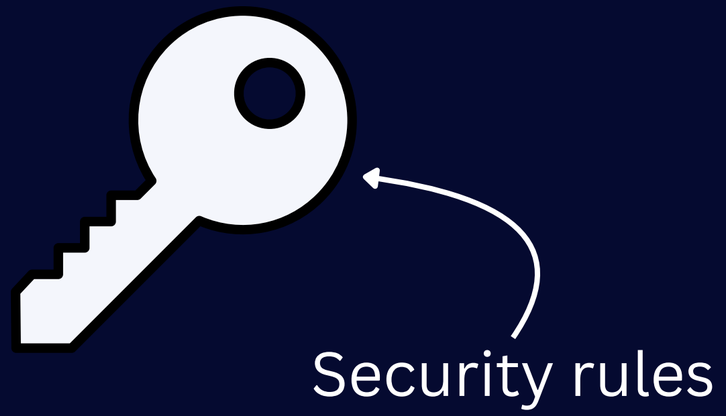
Yes.

```
service cloud.firestore {
  match /databases/{database}/documents {
    match /{document=**} {
      allow read;
      allow write: if request.auth.uid != null;
    }
  }
}
```

We are storing the API Key on the client. Why did we not secure this?

Think of the ApiKey as an address





Up next