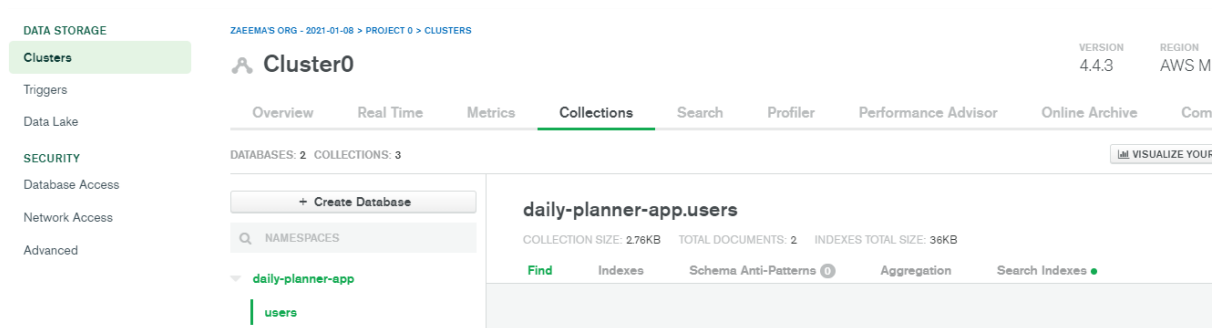# MongoDB Manual

What is MongoDB?

It is a no-SQL database meaning that it doesn't store data in form of tables. It stores data in form of JSON objects
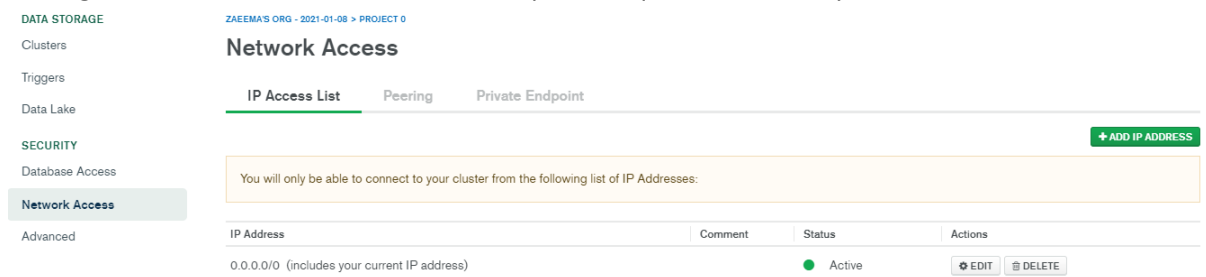
How to use MongoDB?

1. Go to the website: *https://www.mongodb.com/3*
2. Create Account and create a cluster
3. Inside cluster create a database named "daily-planner-app"
4. Inside the database, create a collection "Users"
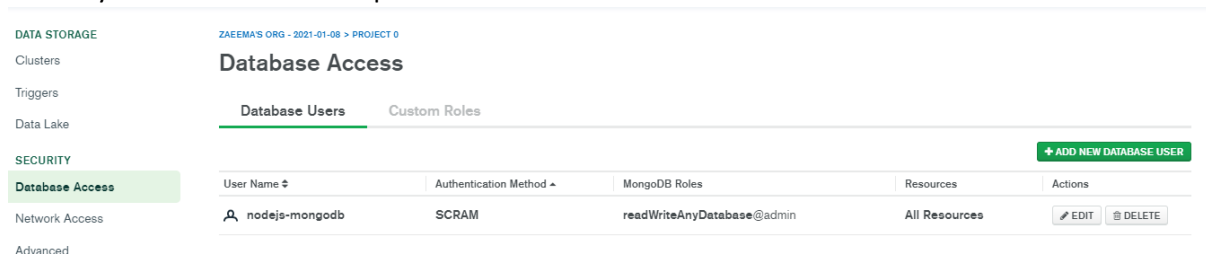   It would look like this:

5. Navigate to the Network Access and set IP Address to allow the use of your db
   Setting it to 0.0.0.0/0 will allow document update requests from every IP

6. Similarly set database access options

7. Navigate to clusters and click connect

Clusters

Q Find a cluster...

SANDBOX

● **Cluster0**
Version 4.4.3

CONNECT   METRICS   COLLECTIONS   ...

CLUSTER TIER
M0 Sandbox (General)

REGION
AWS / Mumbai (ap-south-1)

TYPE
Replica Set - 3 nodes

LINKED REALM APP
None Linked

Operatio

Last 6 Hou

Connect

Last 6 Hou

8. Select Connect Application Option

Connect to Cluster0

✔ Setup connection security   〉 Choose a connection method   〉 Connect

Choose a connection method View documentation 🗗

Get your pre-formatted connection string by selecting your tool below.

| | **Connect with the mongo shell**
Interact with your cluster using MongoDB's interactive Javascript interface | 〉 |

| | **Connect your application**
Connect your application to your cluster using MongoDB's native drivers | 〉 |

| | **Connect using MongoDB Compass**
Explore, modify, and visualize your data with MongoDB's GUI | 〉 |

Go Back   Close

9. Copy the uri and replace password and db name

Connect to Cluster0

✔ Setup connection security ✔ Choose a connection method Connect

1 Select your driver and version

DRIVER
Node.js

VERSION
3.6 or later

2 Add your connection string into your application code

☑ Include full driver code example

```
const MongoClient = require('mongodb').MongoClient;
const uri = "mongodb+srv://nodejs-mongodb:<password>@cluster0.ulgkf.mongodb.net/<dbn
const client = new MongoClient(uri, { useNewUrlParser: true });
client.connect(err => {
  const collection = client.db("test").collection("devices");
  // perform actions on the collection object
  client.close();
});
```

📋 Copy

Replace **<password>** with the password for the **nodejs-mongodb** user. Replace **<dbname>** with the name of the database that connections will use by default. Ensure any option params are URL encoded.

Having trouble connecting? View our troubleshooting documentation

10. Paste the URI in project > Backend > db.js uri variable in DBStart function

```
const DBStart = async () => {
    console.log('DB server connecting ... ')

    //paste URI here
    const uri = "mongodb+srv://nodejs-mongodb:<password>@cluster0.ulgk                          ity";
    const client = await MongoClient.connect(uri, {
        useNewUrlParser: true,
        useUnifiedTopology: true
    })
    console.log('DB Connected Successfully.')
    db = client.db('daily-planner-app')
}
```

In a future update, Snipping Tool will be moving to a new home. Try improved features and snip like usual with Snip & Sketch (or try the shortcut Windows logo key + Shift + S).

Try Snip & Sketch

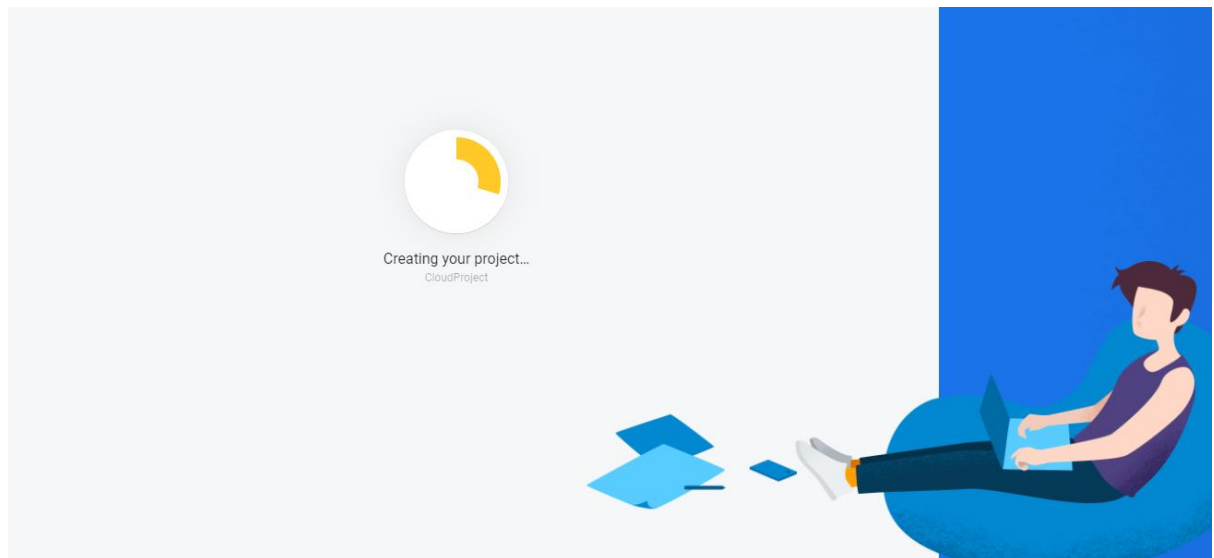11. DB is successfully configured. For further queries, visit *https://docs.mongodb.com/*
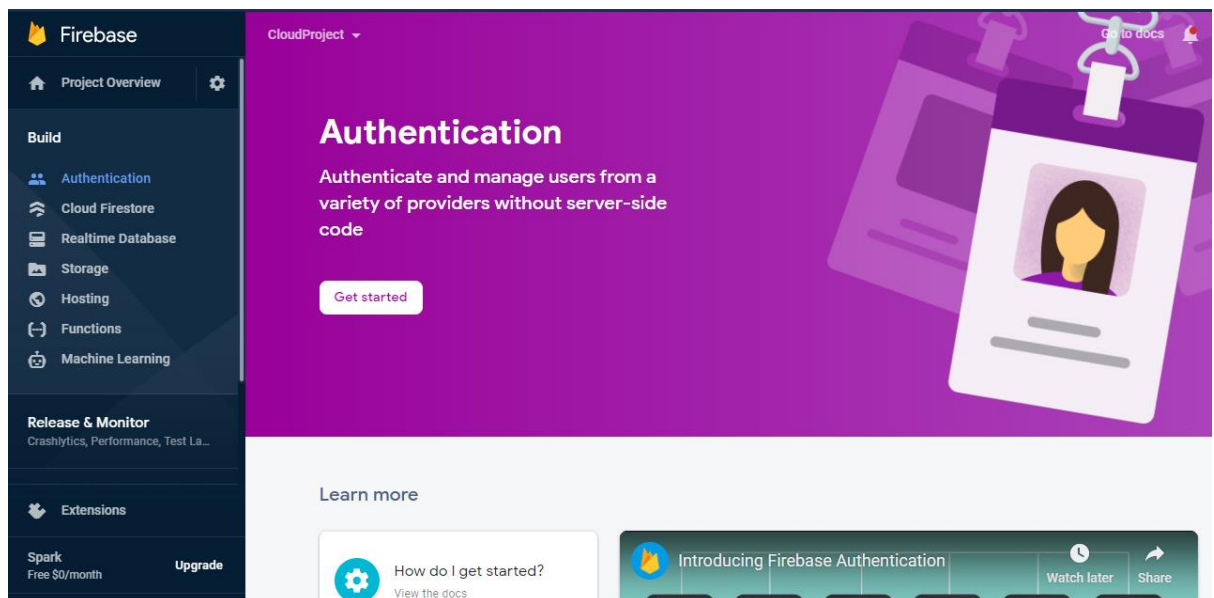
Firebase Guide

Why firebase?

Firebase is used to authenticate the users using google auth and mail auth. It is quick and efficient and trustworthy as it doesn't let the owners access the passwords even.
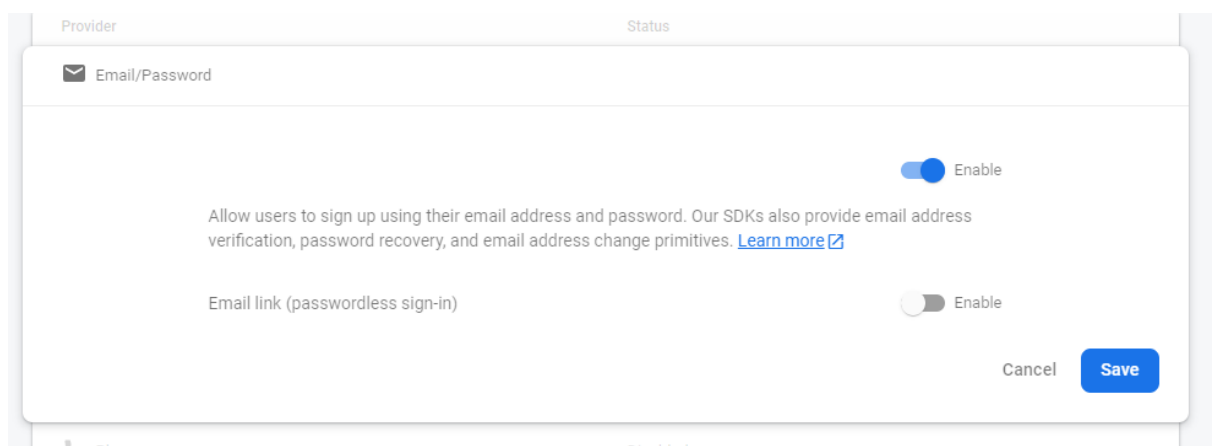
How to configure Firebase:

1. Go to *https://firebase.google.com/*
2. Get started and add a project

3. It would take some time
4. Next, navigate to authentication and get started

5. Enable Google and email authentication

6. Go to project settings and copy configuration object


```
// For Firebase JS SDK v7.20.0 and later, measurementId is optional
const firebaseConfig = {
  apiKey: "AIzaSyB2EOkvV6zCCAfmQNvoitKCPMyctGO27Kw",
  authDomain: "axial-rigging-290414.firebaseapp.com",
  projectId: "axial-rigging-290414",
  storageBucket: "axial-rigging-290414.appspot.com",
  messagingSenderId: "826208321939",
  appId: "1:826208321939:web:40d033dfa0e6660389e866",
  measurementId: "G-YC3ZEZJW65"
};
```

7. Paste this config object inside project > src > components > firebase > firebase.js

```
src > components > firebase > JS firebase.js > ...
  1    import firebase from "firebase";
  2
  3    const firebaseConfig = {
  4      apiKey: "AIzaSyB2EOkvV6zCCAfmQNvoitKCPMyctGO27Kw",
  5      authDomain: "axial-rigging-290414.firebaseapp.com",
  6      projectId: "axial-rigging-290414",
  7      storageBucket: "axial-rigging-290414.appspot.com",
  8      messagingSenderId: "826208321939",
  9      appId: "1:826208321939:web:40d033dfa0e6660389e866",
 10      measurementId: "G-YC3ZEZJW65"
 11    };
 12
 13    firebase.initializeApp(firebaseConfig);
 14    firebase.analytics();
 15    firebase.auth();
 16
 17    export default firebase;
 18
```

Every Thing is set. Just run following commands to start the project:

```
npm install
npm start
```