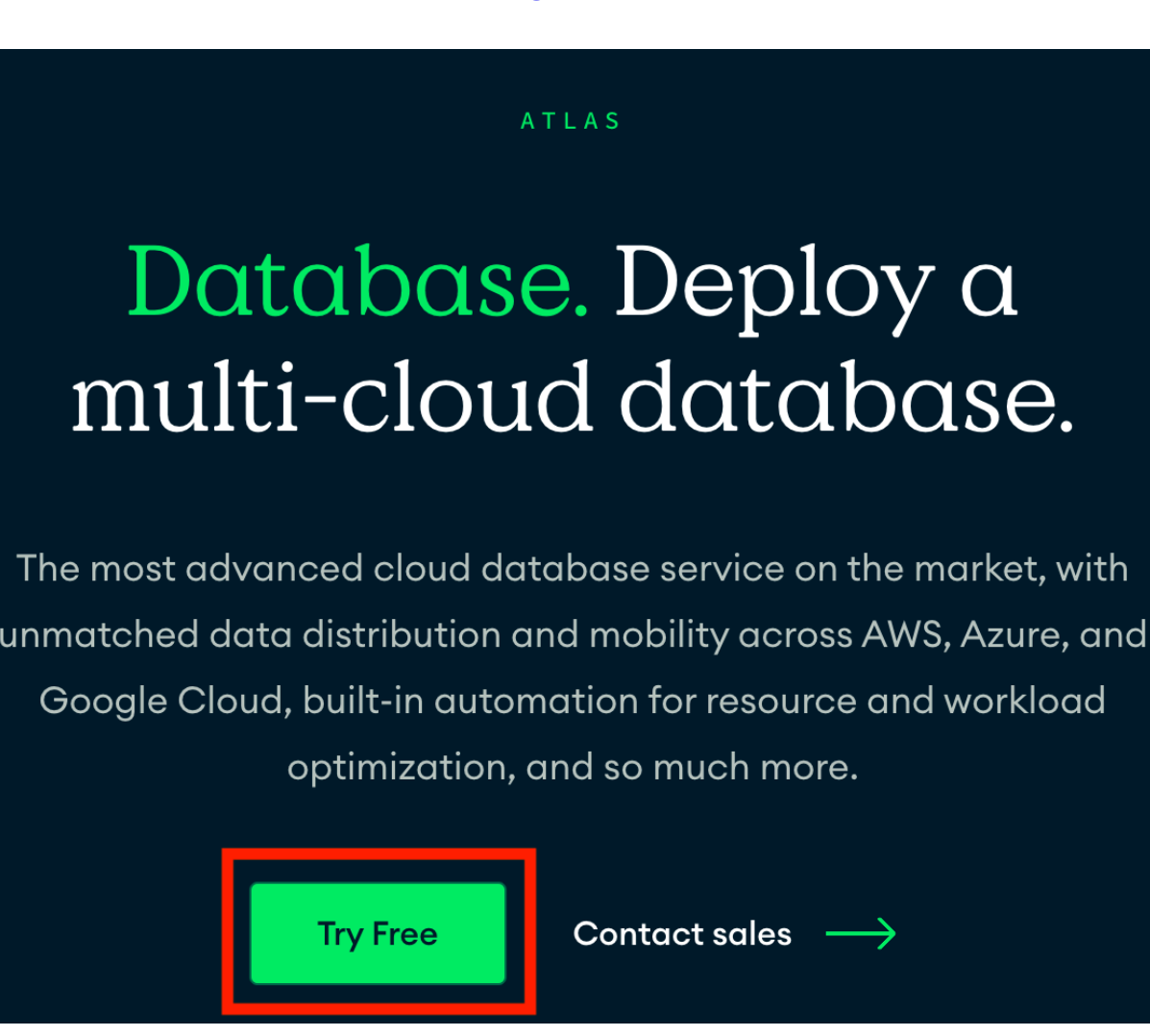


mLab, which is the service we use for our remote Mongo database, was acquired by MongoDB. They have now since closed off all new mLab registrations. Instead, our students will be redirected to MongoDB's Atlas product, which has a free tier similar to mLab, albeit more powerful.

Here are the steps to set up a MongoDB account and Atlas cluster to use with the Emaily project:

1. Go to <https://www.mongodb.com/atlas/database> and click the **Try Free** button (or Sign In if you already have an account)



2. Create your MongoDB user account and click the **Get started free** button.

3. After creating your account, you will be prompted to accept the privacy policy and ToS. Click the **Submit** button to continue.

Accept Privacy Policy & Terms of Service

Please acknowledge the following terms and conditions to finish creating your account.

☒ I accept the [Privacy Policy](#) and the [Terms of Service](#)

[Cancel Signup](#) [Submit](#)

4. You should see a brief questionnaire. Select **Learn MongoDB**, **Application Modernization**, and **JavaScript**.

5. You will then be prompted to create a cluster. Select the far right **Shared Free** tier cluster option and click the **Create** button.

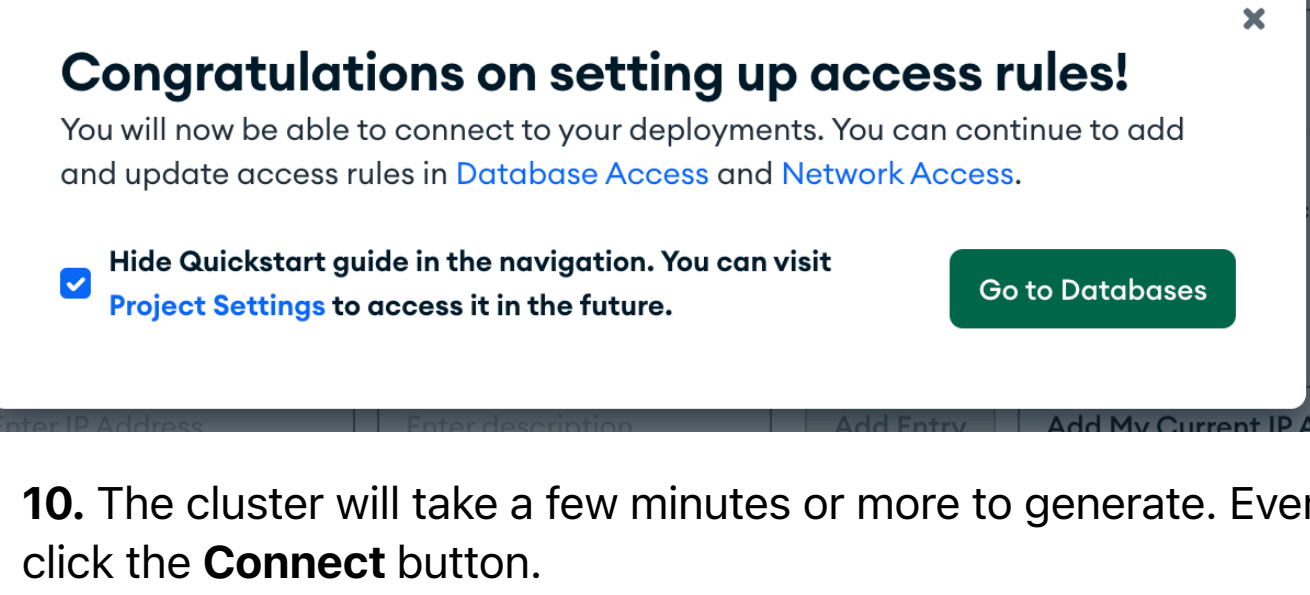
6. Leave all free tier options selected - AWS, North America: N. Virginia, etc. Click the **Create Cluster** button.

7. You will then be prompted with a security configuration screen. Enter a **Username** and click the **Autogenerate Secure Password** button. Copy this password to a safe place as you will need it a few steps from now.

8. Scroll down to the **Where would you like to connect from** section. Select **My Local Environment**. Then, enter **0.0.0.0/0** in the **IP Address** field. This will be very important to avoid connection errors especially if your IP address changes frequently, or, you develop from multiple locations (home, work, a coffee shop, etc). Click the **Finish** button.

- 2 Where would you like to connect from?

9. You should next see a Congratulations popup modal. Click the **Go to Databases** button.



10. The cluster will take a few minutes or more to generate. Eventually, you should see a green circle to the left of the cluster name. Once you see the circle, click the **Connect** button.

Database Deployments

11. Select **Connect Your Application**

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

12. Copy the full connection string and click the **Close** button. Head back over to your local Emaily application.

Replace **<password>** with the password for the **test** user. Ensure any option params are [URL encoded](#).

13. In the **server.js** file replace the empty string with your new connection string like in the example below:

Remember to replace <PASSWORD> with the user's actual password.

```
const MONGO_URI = 'mongodb+srv://yourusername:yourpassword@cluster0.53pjbra.mongodb.net/?retryWrites=true&w=majority';
```

Next, you must add an arbitrary database name to the connection string. In the example below we have added the name **lyrical** after the slash and before the question mark:

```
"mongodb+srv://test:6fAA6FD5kGirCraE@cluster0.53pjbra.mongodb.net/lyrical?retryWrites=true&w=majority",
```

14. Restart your server by running `npm run dev` and you should see the "Connected to Mongo Atlas" message in your terminal.

15. You should now be able to successfully load your app at **localhost:4000** and **localhost:4000/graphql**