FEBRUARY 4, 2021 / #MONGO

MongoDB Atlas Tutorial – How to Get Started

For the following challenges, you are going to use MongoDB to store data. To simplify the configuration, you'll use a service called MongoDB Atlas.

Create a MongoDB Atlas account

MongoDB Atlas is a MongoDB Database-as-a-Service platform,

which means that they configure and host the database for you. Then, your only responsibility will be to populate your database with what matters: data.

- Go here to sign up for a new MongoDB Atlas account.

- Fill the registration form with your information and click **Sign up**.

Create a new cluster

- On the next page, fill in your organization's name, project's name, select JavaScript as your preferred programming language, and click the green **Continue** button.

- Click the **Create a cluster** button under Shared Clusters. This should be the only free option.

- In the **Cloud Provider & Region** dropdown, leave this as the default (typically AWS).

- In the **Cluster Tier** dropdown, leave this as the default, `M0 Sandbox (Shared RAM, 512 MB Storage)`.

- In the **Cluster Name** dropdown, you can give your cluster a name, or leave it as the default, `Cluster 0`.

- Click the green **Create Cluster** button at the bottom of the screen.

- You should now see the message `Your cluster is being created. New clusters take between 1-3 minutes to provision.` Wait until the cluster is created before going to the next step.

Create a new user for the

database

- On the left side of screen, click on **Database Access**.

- Click the green **Add New Database User** button.

- In the modal, enter a new username and password.

- Under **Database User Privileges**, leave this as the default option, **Read and write to any database**.

- Click the **Add User** button to create your new user.

Allow access from all IP addresses

- On the left side of the screen, click on **Network Access**.

- Click the green **Add IP Address** button.

- In the modal, click the **ALLOW ACCESS FROM ANYWHERE** button. You should see `0.0.0.0/0` in the Access List Entry entry field.

- Click the green **Confirm** button.

Connect to your cluster

- Click on the green **Get Started** button in the bottom left of your screen should now show you the final step, **Connect to your cluster**, click on it.

- On the left side of the screen, click on **Clusters**.

- Click the **Connect** button for your cluster.

- In the popup modal, click on **Connect your application**.

- You should see the URI you'll use to connect to your database similar to this: `mongodb+srv://<username>:`

```
<password>@<cluster-name>.mongodb.net/<db-name>?
retryWrites=true&w=majority .
```

- Click the **Copy** button to copy your URI to your clipboard.

Notice that the `<username>` , `<cluster-name>` , and `<db-name>` fields of URI you copied are already filled out for you. All you need to do is replace the `<password>` field with the one you created in the previous step.

And that's it — you now have the URI to add to your application and connect to your database. Keep this URI safe somewhere so you can use it later.

If this article was helpful, | tweet it. |

Learn to code for free. freeCodeCamp's open source curriculum has helped more than 40,000 people get jobs as developers.
| Get started |

Trending Guides

Our Nonprofit