

Setting up MongoDB Atlas

MongoDB Atlas is a place to host your MongoDB databases. There is a free tier you can use for academic projects.

Some terminology:

Cluster

A cluster is a unit of storage for the hosted database. Clusters can be shared or dedicated. It is the easy deployment of additional clusters that gives MongoDB Atlas powerful scaling ability.

Project

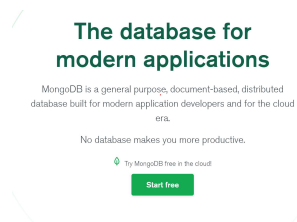
Projects help to segregate teams/security within an organization

For the purpose of this course- you are likely to have one cluster and one project.

Steps to setting up an account:

0. Go to <https://www.mongodb.com/>

Choose “Start Free”



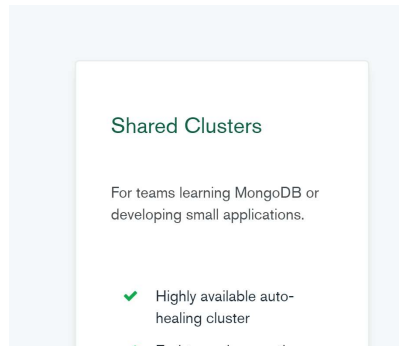
1: Create an Atlas Account

Provide name, email and password to establish the account.

The image shows a form titled "Try MongoDB in the Cloud" with the subtitle "Create a free account today". The form includes fields for "Your Work Email" (containing "lisadiorio@tufts.edu"), "First Name" (containing "Lisa"), and "Last Name" (containing "DiOrio"). There is a "Password" field with a strength indicator showing "8 characters minimum". A checkbox for "I agree to the terms of service and privacy policy." is checked. A green button labeled "Get started free" is at the bottom.

2: Deploy a Free Tier Cluster

Choose a shared cluster (free tier level)



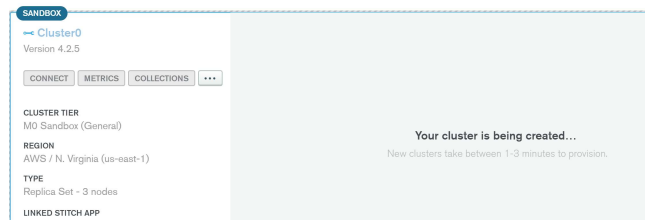
Choose a “cloud provider” - use AWS

And Region

All other settings can remain at the default

Click the “Create Cluster” button to deploy your cluster

Wait while your cluster is being created.



3: Whitelist Your Connection IP Address.

When your cluster is created, click on the “Connect” button

First whitelist your IP

1 Whitelist a connection IP address

4: Create a Database User for Your Cluster.

Now create a user

2 Create a MongoDB User

This first user will have [atlasAdmin](#) permissions for this project.

Keep your credentials handy, you'll need them for the next step.

Username

Password

5: Connect to Your Cluster.

Now choose a connection method

2 Create a MongoDB User

✓ A MongoDB user has been added to this project. *Not yours? Create one in the [MongoDB Users](#) tab.*
You'll need your MongoDB user's credentials in the next step.

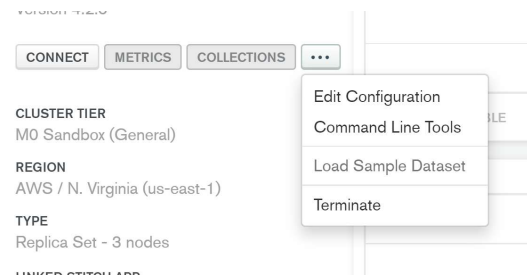
Close

Choose a connection method

We will be creating a connection later- so you can skip this step now.

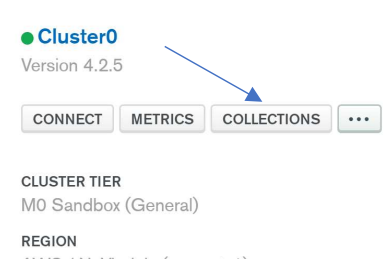
6: Insert and View Data in Your Cluster.

Load the sample dataset unto your project by clicking on the ellipsis “...”



Wait a few minutes and your account should be fully connected.

The “Collections” button will be enabled and you can view the sample dataset



Your “Collections” view should look similar to the following:

