Signing up for a free MongoDB Atlas account:

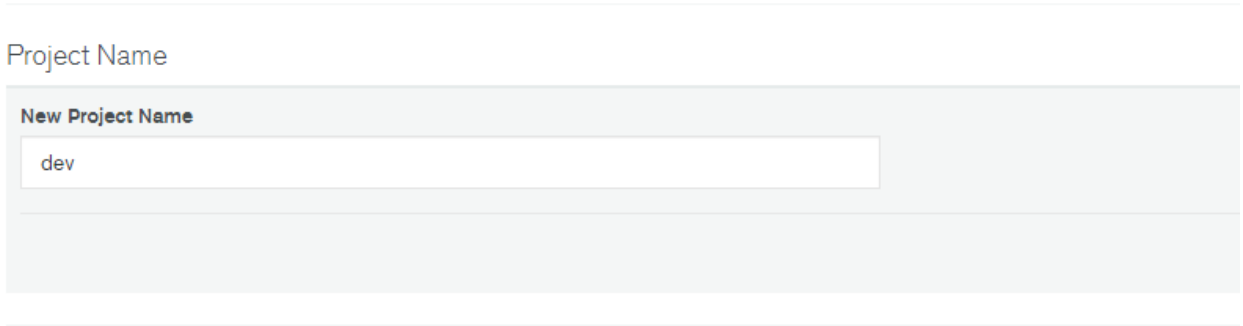
- Visit https://www.mongodb.com/cloud/atlas and select "Try Free"
- Under the "No download necessary" section enter:
    - Your email address (use your Bellevue University email address)
    - Your first name
    - Your last name
    - Desired password
- Accept the "terms of service" and click "Get started free"

Creating your first MongoDB Atlas cluster:

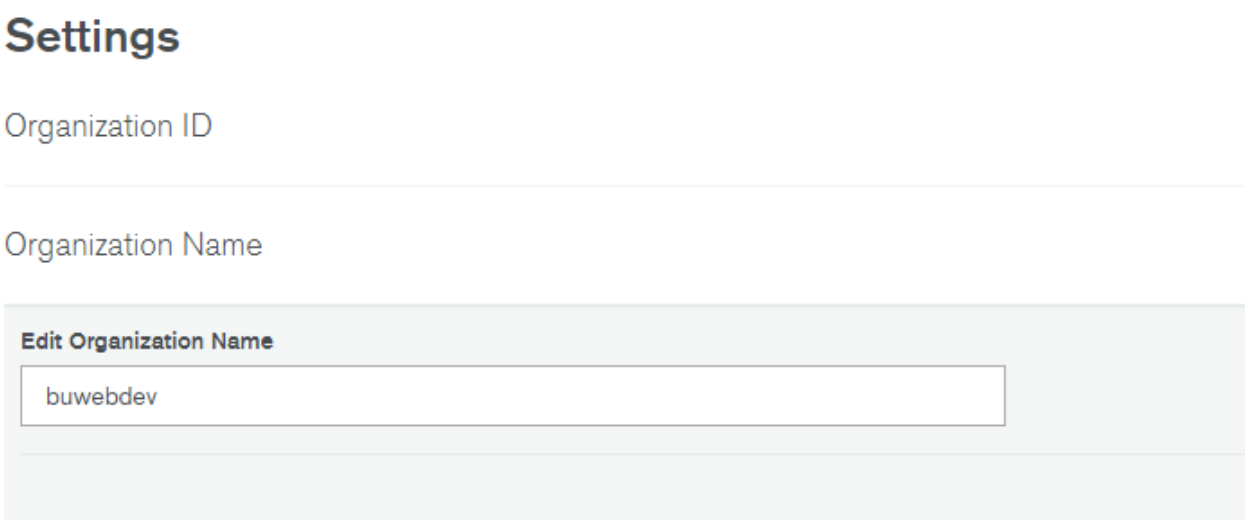
- Close the pop-up window (click the X in the top right-hand corner of the pop-up window)
- Under cloud provider choose AWS
- Under region choose N.Virginia (us-east-1)
- Under cluster tier make sure M0 Sandbox (Shared RAM, 512 MB Storage) is selected
- Name the cluster: buwebdev-cluster-1
- Leave the remaining defaults "as is"
- Select "Create Cluster"

Organization and Project setup:

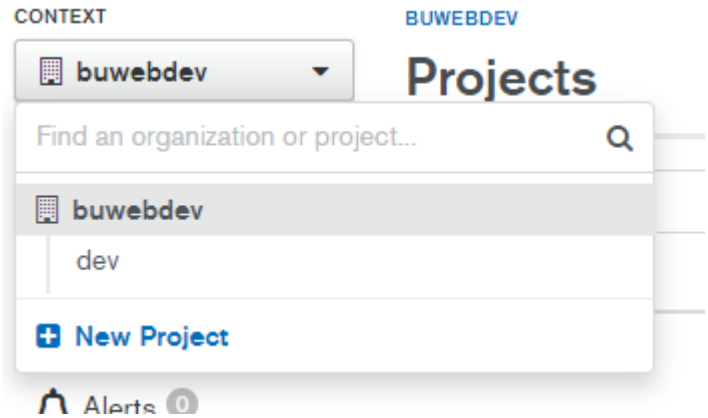
- Select "Settings" from the left-hand menu pane
- Locate "Project Name" and change the name to "dev"
    - Note: In an enterprise world, you would have separate projects for each deployment environment (dev, qa, preprod, and prod).



- Under the "Context" drop-down-menu, select the Organization name
- Next, select "Settings" from the left-hand menu pane
- Locate the "Organization Name" and clicked the "edit" button.
- Change the "Organization Name" to **buwebdev**

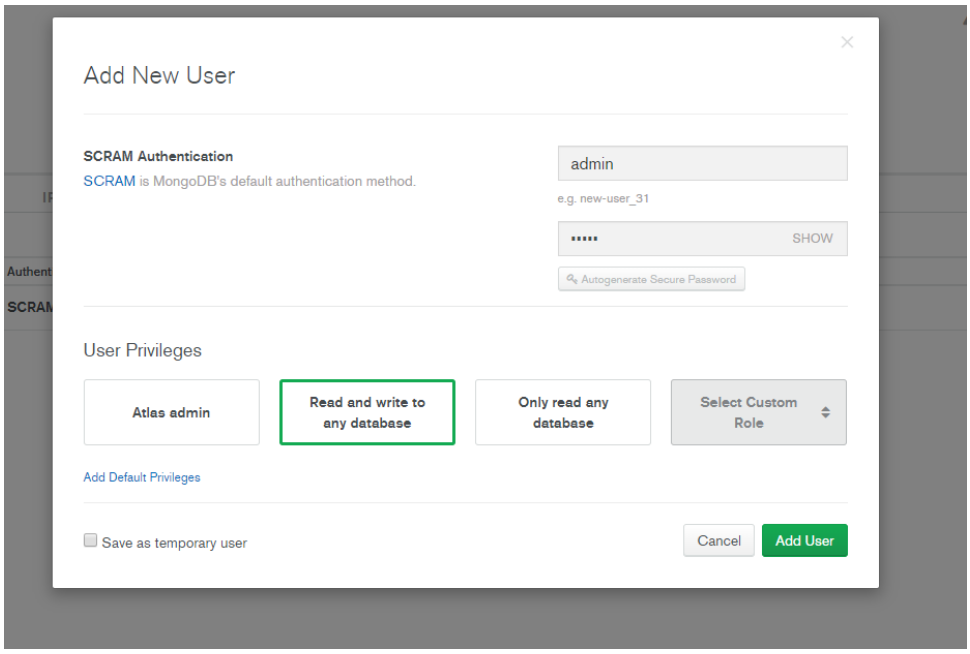


- You should now see the below image under the "Context" drop-down-menu



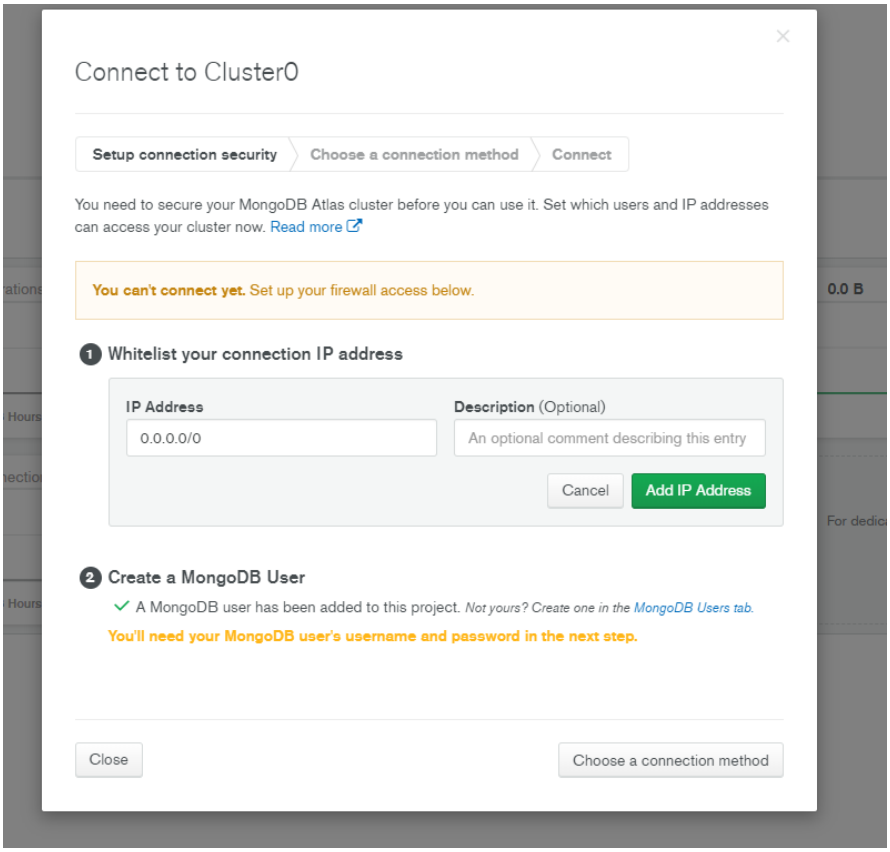
Add a database user to the dev project:

- Select the dev project
- Select the "Security" tab and click the "Add New User" button
- Enter a username and password under the "Add New User" section
- Under "User Privileges" select "Read and write to any database
- Select "Add User"
    - Note: the user we just created will have read/write access to all the databases you create under this cluster



Whitelist all incoming IP addresses:

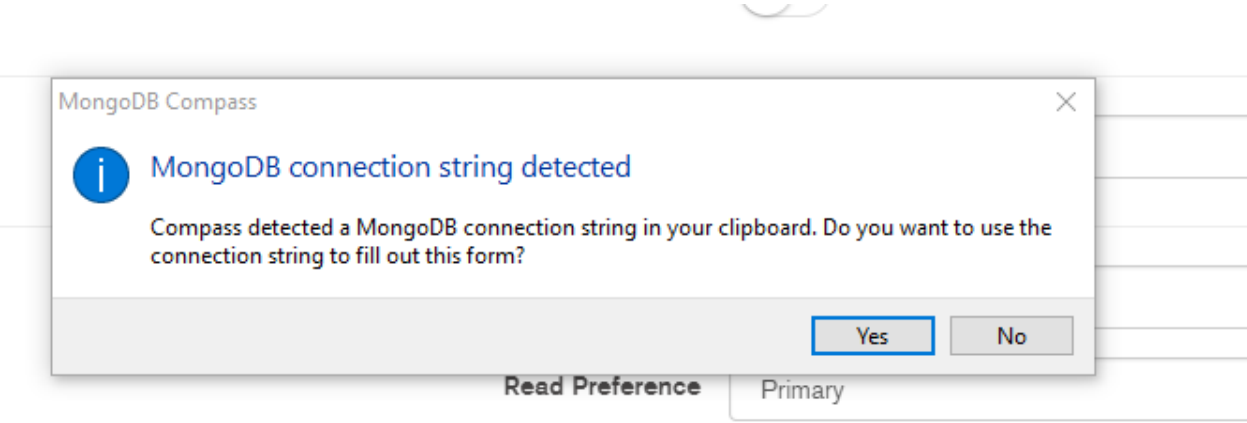
- Select the "Overview Tab"
- Under your cluster select the "Connect" button
- Once the pop-window appears, select "Add a Different IP Address" and enter:
    - 0.0.0.0/0
    - Note: in a production database you would not do this. Instead, you would only add the IP addresses of the applications connecting to your cluster, which in our case would only be the node.js applications we write in this cohort. **I repeat, in a production database, do not do this!**
- Click "Add IP Address"



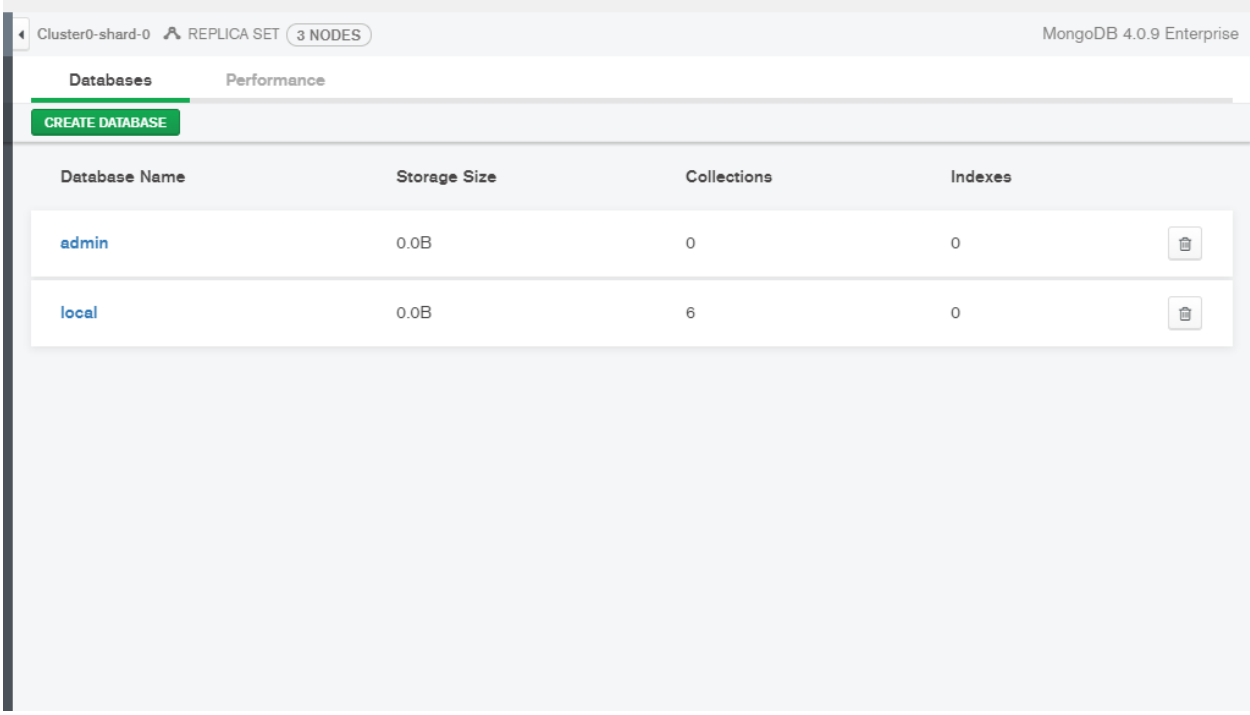
- Exit the window

Connect to the buwedev-cluster-1:

- Under the Cluster, click the "Connect' button
- Choose 1 of 3 options:
    - Connect with the Mongo Shell
    - Connect Your Application
    - Connect with MongoDB Compass
- In this example, I will connect using MongoDB Compass
- Under the "Copy the connection string below" click the "Copy" button
- Open MongoDB Compass
    - Note: MongoDB Compass should prompt you to use the connection string that was saved to the clipboard. If you do not receive this message, go back through the steps a second time.

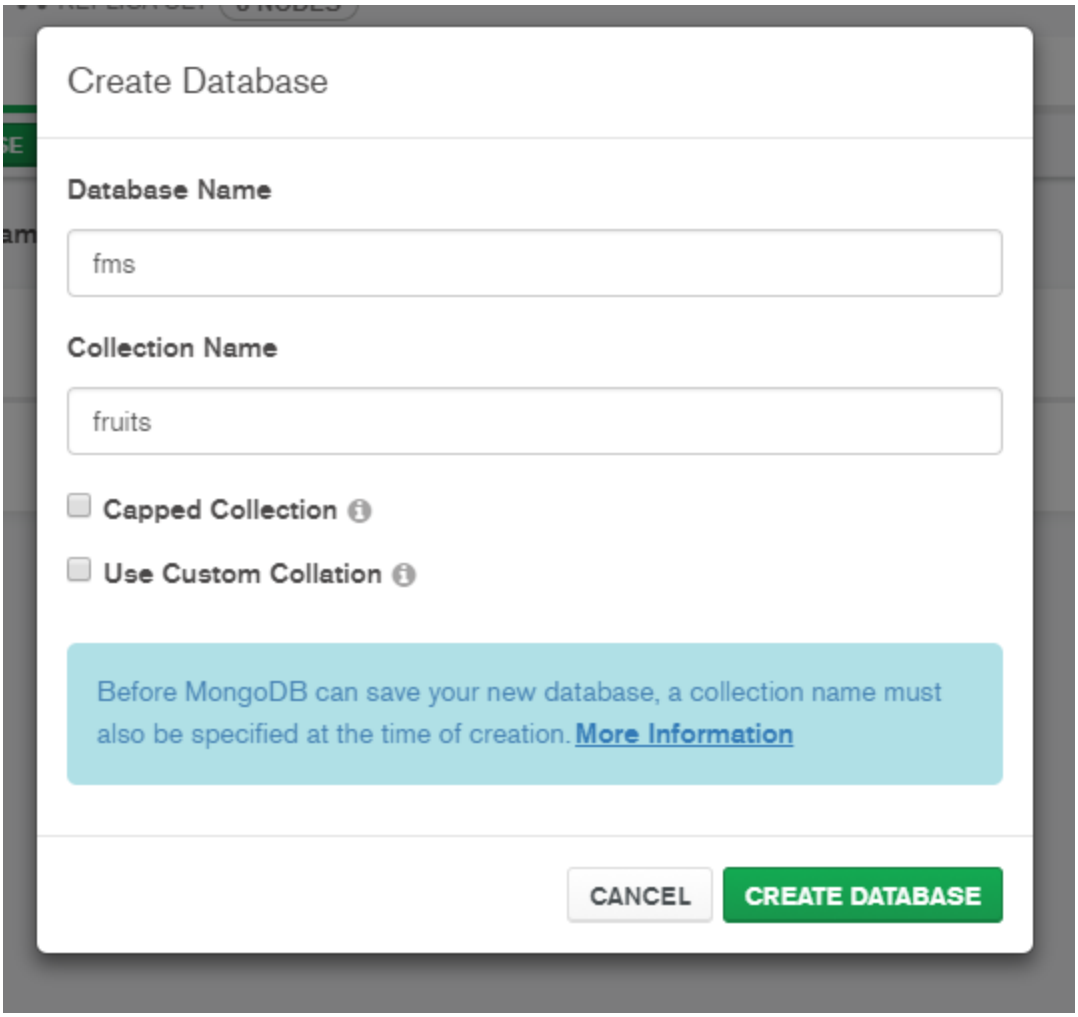


- Select "Yes"
- Enter the database user names password (this was created in the previous steps)
- Click "Connect"

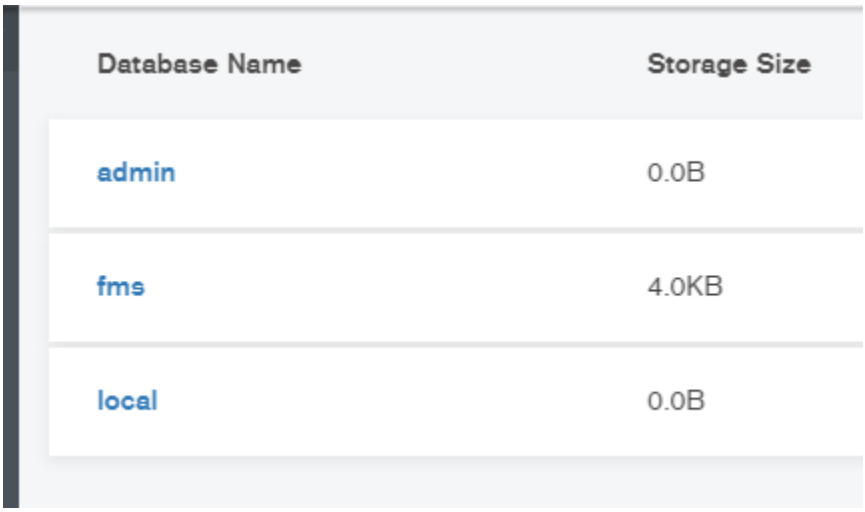


Create a new database (I'll use the fms database from web-340)

- Click the "Create Database" button
- Enter a database name and collection name
    - Note: to create a new database in Compass you must specify a collection name



- You should now see:



- Under MongoDB's free tier you can create up to 100 databases and 500 collections.
- To create another database, simply repeat the steps I have provided.