



## Chapter 2: The MongoDB Query Language + Atlas

Lab 2.0: Create an Atlas Sandbox Cluster

#### Problem:

In this lab you will have to complete two different tasks:

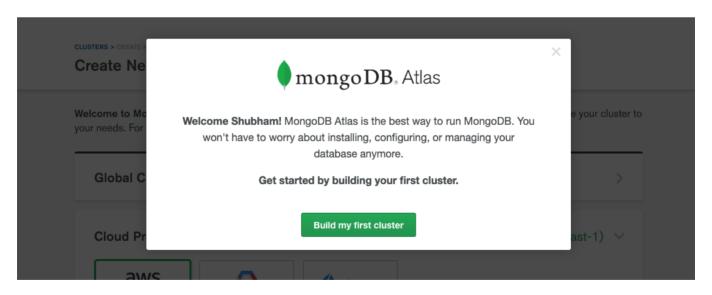
- Create an Atlas Account
- Create Atlas Sandbox Cluster

## Creating a new MongoDB Atlas Account:

If you do not have an existing Atlas account, go ahead and create an Atlas Account by filling in the required fields.

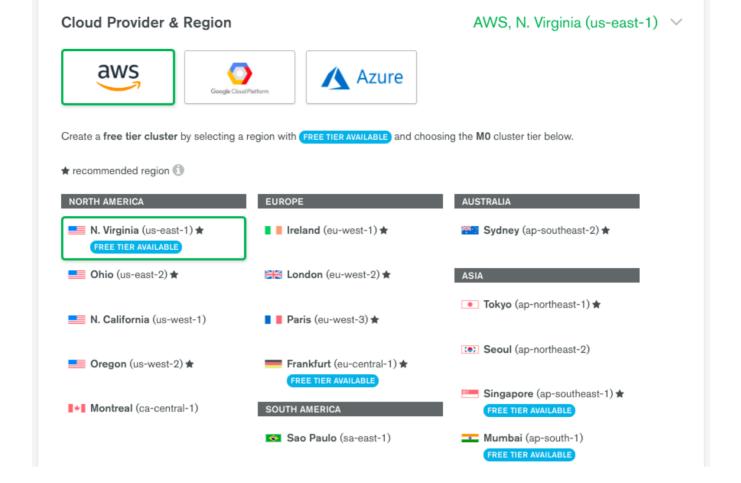
## Creating an Atlas Sandbox Cluster:

1. After creating a new account, you will be prompted to create your first cluster:



2. You will now choose a cloud provider for your cluster.

Select AWS as the cloud provider and for the **Region** select the location closest to you that has the label **Free Tier Available:** Please note the default location is **N.Virginia (us-east-1) Free Tier Available** 



3. Select Cluster Tier MO Sandbox:

## **Cluster Tier**

M0 Sandbox (Shared RAM, 512 MB Storage)

Encrypted

Base hourly rate is for a MongoDB replica set with  $\bf 3$  data bearing servers.

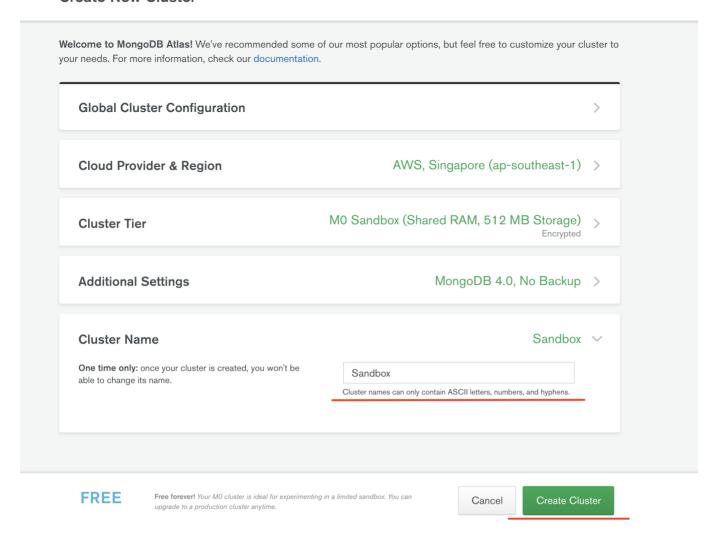
Shared Clusters for development environments and low-traffic applications

	Tier	RAM	Storage	vCPU	Base Price
•	M0 Sandbox	Shared	512 MB	Shared	Free forever
	M0 clusters are best for getting started, and are not suitable for production environments.  100 max connections   Low network performance   100 max databases   500 max collections				

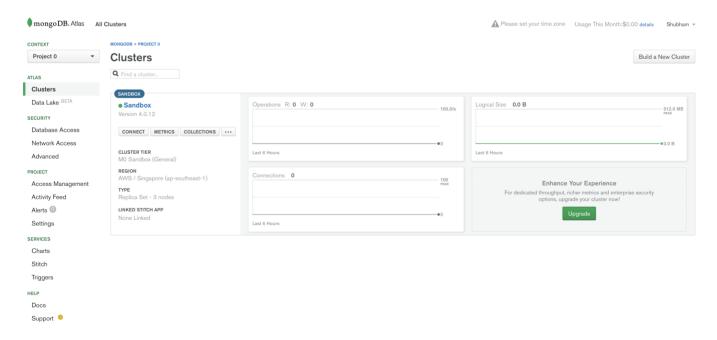
4. Click on Cluster Name, enter "Sandbox" in the corresponding textbox, and click "Create Cluster":

CLUSTERS > CREATE NEW CLUSTER

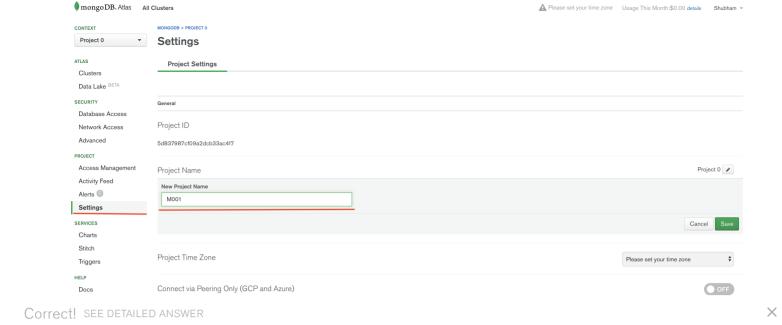
## **Create New Cluster**



5. After creating the cluster, you will be redirected to the account dashboard:

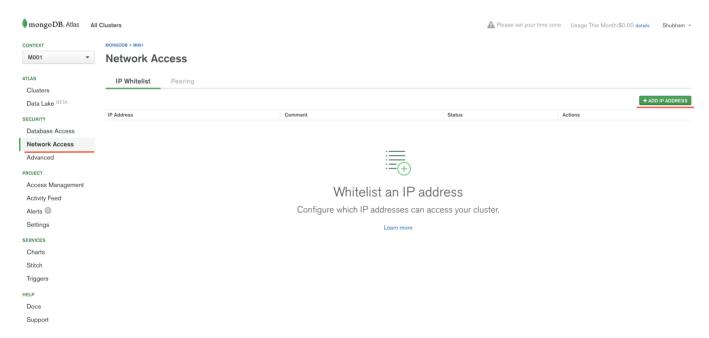


Go to the **Settings** option and change the project name to "M001":



6. Next, configure the security settings of this cluster, by enabling the IP Whitelist:

Update your IP Whitelist so that your app can talk to the cluster. Click on "Network Access" tab and then click on "Add IP Address".

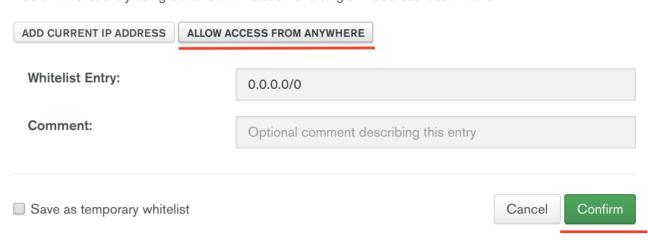


A new prompt will appear on the screen asking to "Add Whitelist Entry". Click on "Allow Access from Anywhere" and then click "Confirm".

#### X

# Add Whitelist Entry

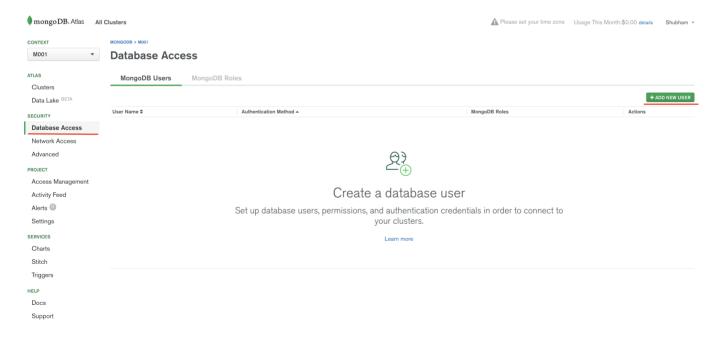
Add a whitelist entry using either CIDR notation or a single IP address. Learn more.



Note that we do not generally recommend opening an Atlas cluster to allow access from anywhere. We do that for this class to minimize network issues that you might run into and to be able to provide you better support.

7. Then, create the application MongoDB database user required for this course.

Click on the "Database Access" tab and then click on "ADD NEW USER".



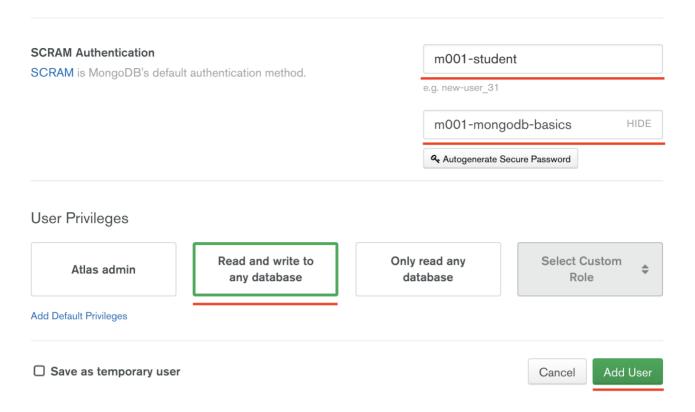
Create a user with the following credentials:

• username: m001-student

password: m001-mongodb-basics

Give this user the privilege to Read and write to any database:

## Add New User



Congratulations on creating your first Atlas application! You now have a MongoDB database that you can access from anywhere in the world. Next, we will populate it with data to analyze and manipulate in the upcoming labs.

I have created the Atlas Sandbox Cluster.

Attempts Remaining: Correct Answer





Check all answers that apply:



Yes

See detailed answer

Proceed to next section

## **Assignment is Due**

15d:03hr:48m

Dec 10, 17:00 UTC

#### Your Grade

#### PASS/FAIL

Submitted