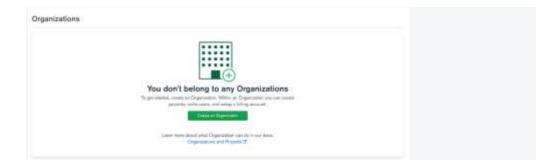
Lab: Create and Deploy an Atlas Cluster

Get Started with MongoDB Atlas Create a free tier cluster with our fully managed cloud database service in minutes. You'll be using MongoDB Atlas within MongoDB University courses as you complete specific exercises. Create your free account Your Company (optional) How are you using MongoDB? Your Work Email First Name Last Name Password 8 characters minimum I agree to the terms of service and privacy policy. **Get started** Already have an account? Sign in.

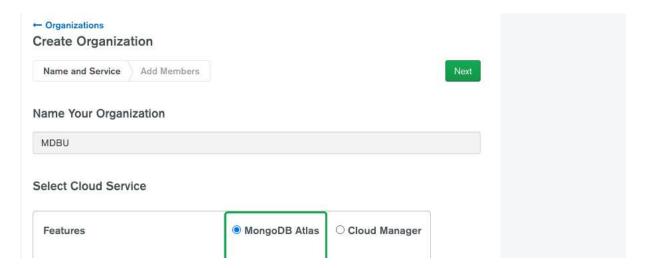
The following 10 easy steps will guide you in creating:

- an Atlas Organization named MDBU
- a Project within MDBU called M001
- a Free Tier Atlas cluster named Sandbox

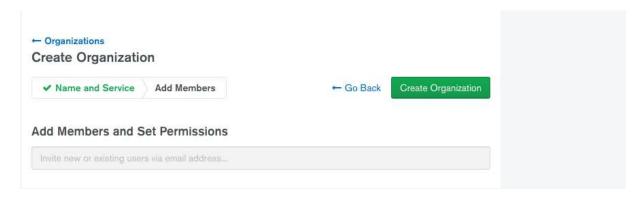
1. Select Create an Organization



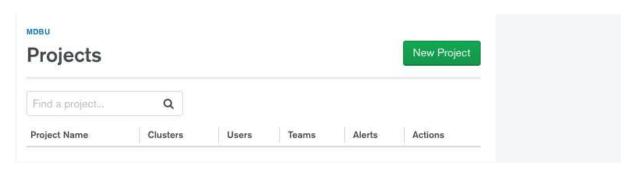
2. Name your Organization MDBU. Make sure that your cloud service is *Atlas*, then hit **Next**.



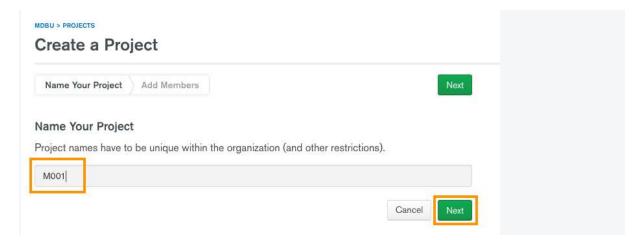
3. Hit Create Organization



4. Hit New Project



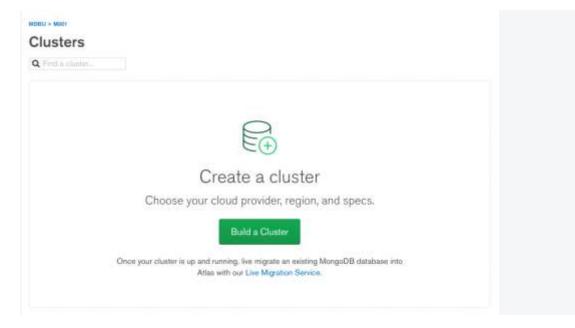
5. Name your Project MOO1 and hit Next



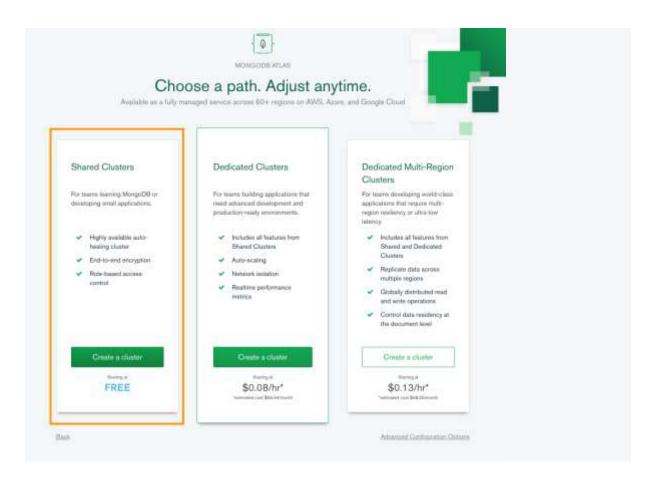
6. Select Create Project



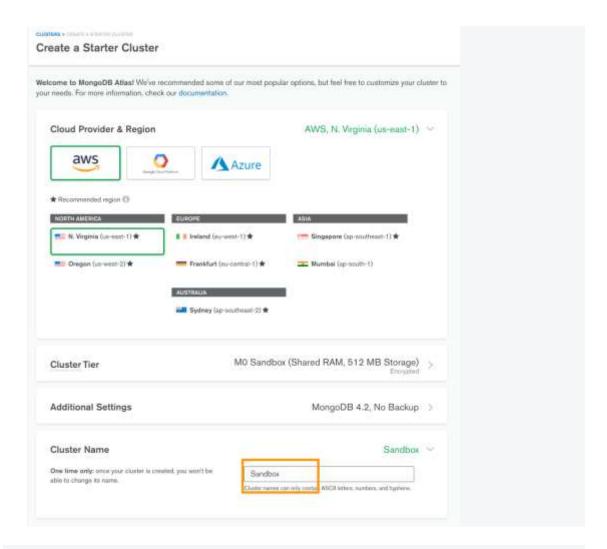
7. Select Build a Cluster



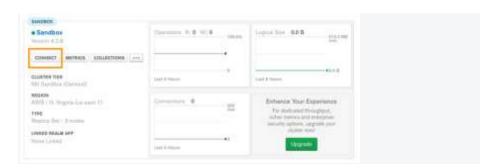
8. Select the left-most option that is FREE and hit Create a cluster



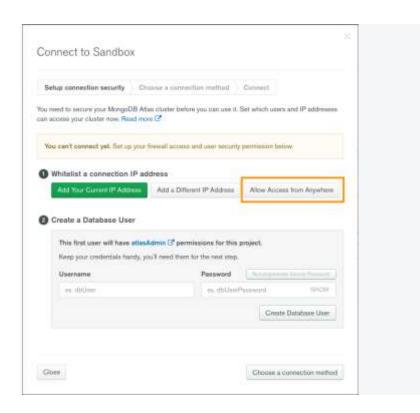
9. Select the region that is geographically closest to your location. On the bottom of the page change the cluster name to <code>sandbox</code>. Create the cluster. This step might take a minute or two to complete.



- 10. Now that you have an Atlas cluster you need to grant access to your IP Address and create a Database User.
 - Select Connect from the cluster view.



 Select the right-most option Allow Access from Anywhere and confirm your selection by clicking on Add IP Address. Allowing access from anywhere is not* a good security practice. Clusters that are used for production should **not have this enabled.

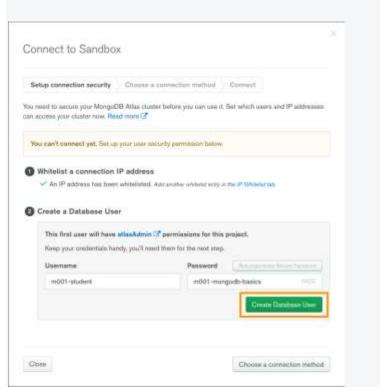


Create a Database User

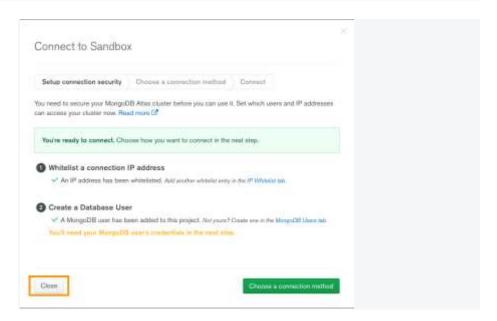
• username: m001-student

password: m001-mongodb-basics

Click on Create Database User

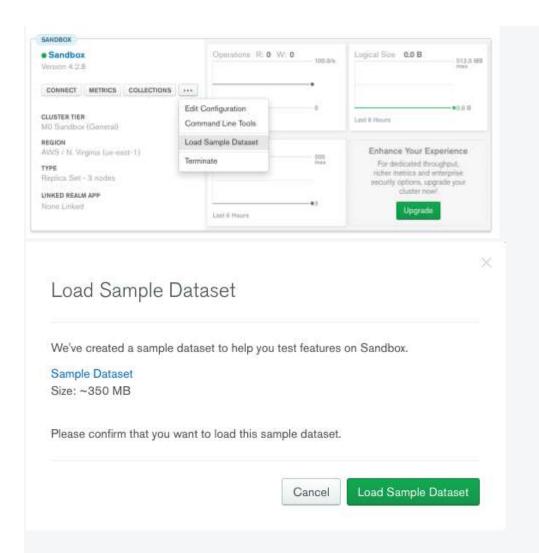


 Close the Connection menu at the lower left corner of the window.



Load the Sample Dataset

Select the "..." option in the cluster menu -> choose the "Load Sample Dataset" option, then confirm your choice.



When the dataset is loaded the graph labeled "**Logical Size**" on the right side of the screen should go up and display the size of the dataset that is above zero and below *512 MB*. Your graph may look different than the picture below.



Did the logical size of the dataset and the number of operations increase in your cluster view *similar* to how it did in this image?

Connect MongoDB with Python PyMongo