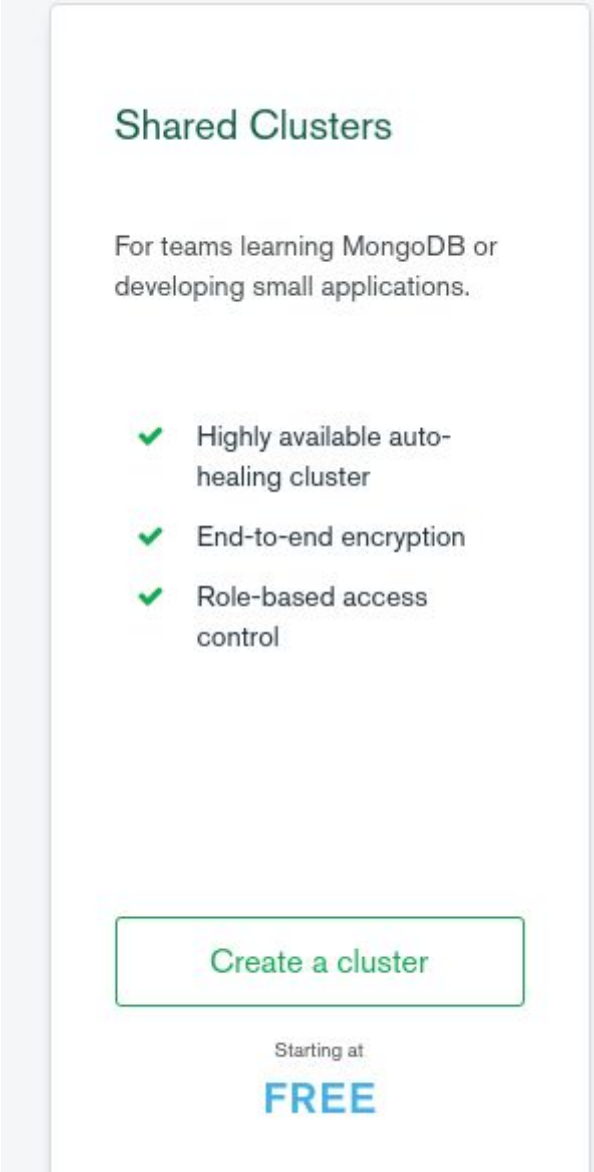


## Instructions

1. Create an account: <https://account.mongodb.com/account/register?signedOut=true> and sign in using the link you will receive in the confirmation email you will receive from mongoDB.
2. Name the project daps2020. Try not to use any space! Then select Next.
3. Choose the shared clusters (free version):



The screenshot shows a web interface for selecting a MongoDB cluster. At the top, the heading "Shared Clusters" is displayed in a green font. Below this, a descriptive sentence reads: "For teams learning MongoDB or developing small applications." A list of three features is presented, each preceded by a green checkmark: "Highly available auto-healing cluster", "End-to-end encryption", and "Role-based access control". A green-outlined button with the text "Create a cluster" is positioned below the list. At the bottom, the text "Starting at" is followed by the word "FREE" in a large, bold, blue font.

### Shared Clusters

For teams learning MongoDB or developing small applications.

- ✓ Highly available auto-healing cluster
- ✓ End-to-end encryption
- ✓ Role-based access control

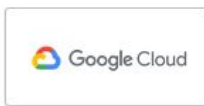
Create a cluster

Starting at  
**FREE**

4. Choose AWS and Ireland:

Cloud Provider & Region


AWS, Ireland (eu-west-1) ▾




★ Recommended region ⓘ

ASIA	NORTH AMERICA	EUROPE
 <b>Singapore</b> (ap-southeast-1) ★	 <b>N. Virginia</b> (us-east-1) ★	 <b>Ireland</b> (eu-west-1) ★
 <b>Mumbai</b> (ap-south-1)	 <b>Oregon</b> (us-west-2) ★	 <b>Frankfurt</b> (eu-central-1) ★
AUSTRALIA		
 <b>Sydney</b> (ap-southeast-2) ★		

5. Next you will be redirected in a page that looks like the following:



afro



Access ManagerSupportBilling

Project

Atlas

Realm

Charts

DATA STORAGE

Clusters

Triggers

Data Lake

SECURITY

Database Access

Network Access

Advanced

We are deploying your changes

AFRO > PROJECT

Clusters

Find a cluster...

SANDBOX

Cluster0

Version 4.2.10

CONNECTMETRICSCOLLECTIONS...

CLUSTER TIER  
M0 Sandbox (General)

REGION  
AWS / Ireland (eu-west-1)

TYPE  
Replica Set - 3 nodes

LINKED REALM APP  
None Linked

ATLAS SEARCH  
[Create Index](#)

Get Started

4

Feature Requests

System Status: All Good

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Notice the Get started button on the bottom-left. Click it and the following window will pop-up:

## Connect to Atlas

Follow this checklist to get started.

20%



Build your first cluster



Create your first database user



Whitelist your IP address



Load Sample Data (Optional)



Connect to your cluster

*No thanks*




Get Started

4

System Status: All **C**

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Feature Requests 

Follow the steps one-by-one as advised on this window. In particular:

- a. Select **Create your first database user**. Use a username and password you can remember:

### Authentication Method

<b>Password</b>	<b>Certificate</b> (M10 and up)	<b>AWS IAM</b> (MongoDB 4.4 and up)
-----------------	------------------------------------	--

MongoDB uses [SCRAM](#) as its default authentication method.

### Password Authentication

admin	
*****	SHOW
Autogenerate Secure Password	Copy

### Database User Privileges

Select a [built-in role or privileges](#) for this user.

Atlas admin	▼
-------------	---

- b. After you finish the previous step, the getting started pop-up window will ask you to whitelist your ip address. You are advised to use **ALLOW ACCESS FROM ANYWHERE**. This is not secure, but it is an easiest way

## Add IP Access List Entry

Atlas only allows client connections to a cluster from entries in the project's IP Access List. Each entry should either be a single IP address or a CIDR-notated range of addresses. [Learn more](#).

ADD CURRENT IP ADDRESS	ALLOW ACCESS FROM ANYWHERE
------------------------	----------------------------

Access List Entry:

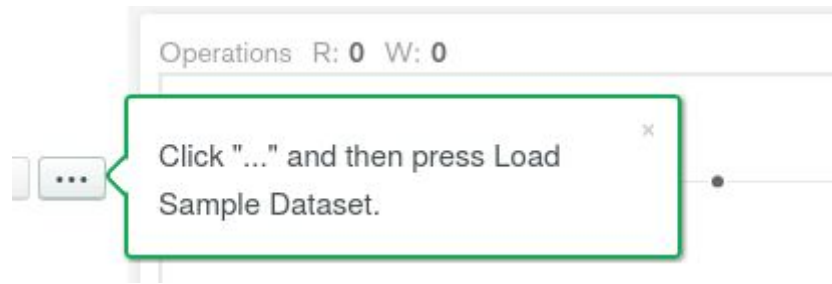
Comment:

<input type="checkbox"/>	This entry is temporary and will be deleted in	6 hours ▼
--------------------------	--	-----------

Cancel

Confirm

- c. Next step is to create datasets. Select the following button:



This will redirect you here:

## Load Sample Dataset

We've created a sample dataset to help you test features on Cluster0.

[Sample Dataset](#)

Size: ~350 MB

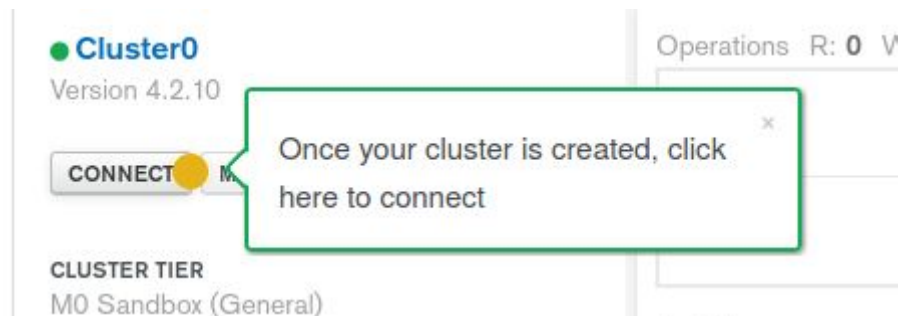
Please confirm that you want to load this sample dataset.

Cancel

Load Sample Dataset

Press the **Load Sample Dataset**.

- d. Select connect button:



Choose the connect to your application option:

## Connect to Cluster0

✓ Setup connection security

Choose a connection method

Connect

Choose a connection method [View documentation](#)

Get your pre-formatted connection string by selecting your tool below.



### Connect with the **mongo shell**

Interact with your cluster using MongoDB's interactive Javascript interface



### Connect your application

Connect your application to your cluster using MongoDB's native drivers



### Connect using **MongoDB Compass**

Explore, modify, and visualize your data with MongoDB's GUI



Go Back

Close

On the following window select **python** and **3.6 or later option**. If you use another python version you should select this version, however we advise you to choose 3.6 or later and a python 3 environment.

✓ Setup connection security

✓ Choose a connection method

Connect

1 Select your driver and version

DRIVER

VERSION

Python

3.6 or later

2 Add your connection string into your application code

☐ Include full driver code example

```
mongodb+srv://admin:<password>@cluster0.uw13f.mongodb.net/<dbnam
```

Copy

Replace **<password>** with the password for the **admin** user. Replace **<dbname>** with the name of the database that connections will use by default. Ensure any option params are [URL encoded](#).

Having trouble connecting? [View our troubleshooting documentation](#)

Go Back

Close

The link you will see relates to task 2.1.