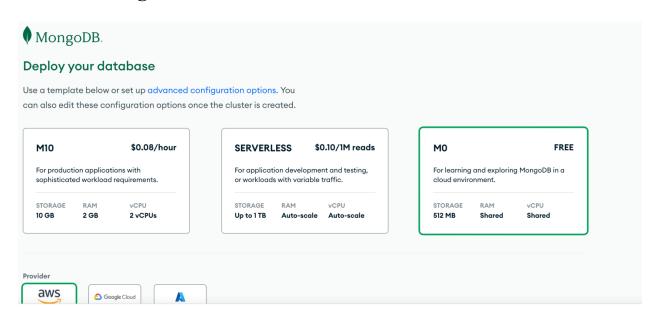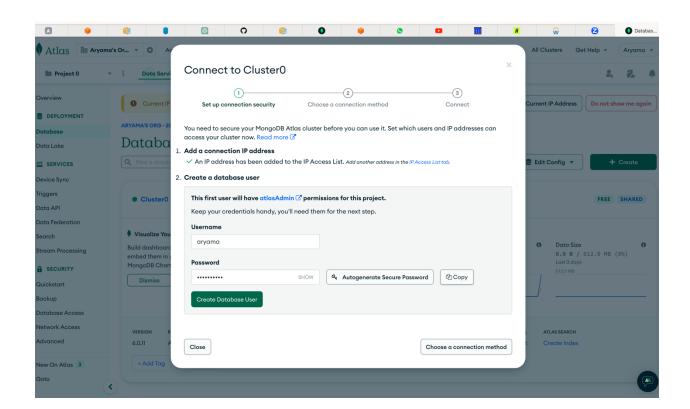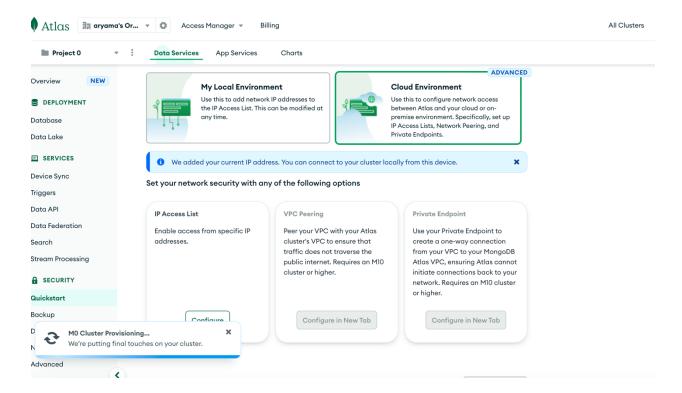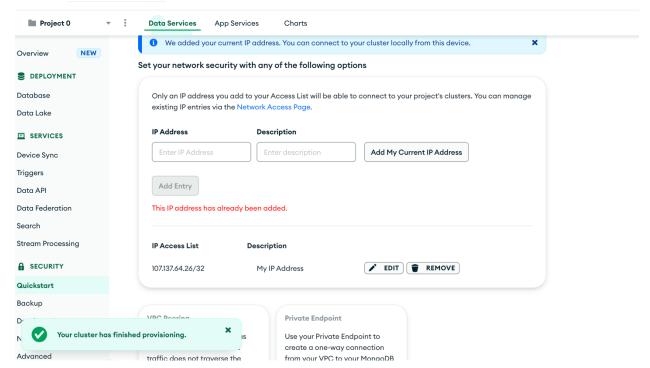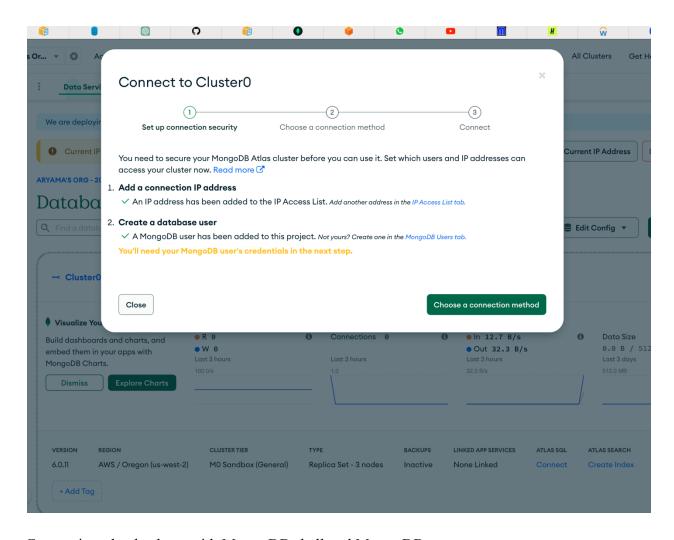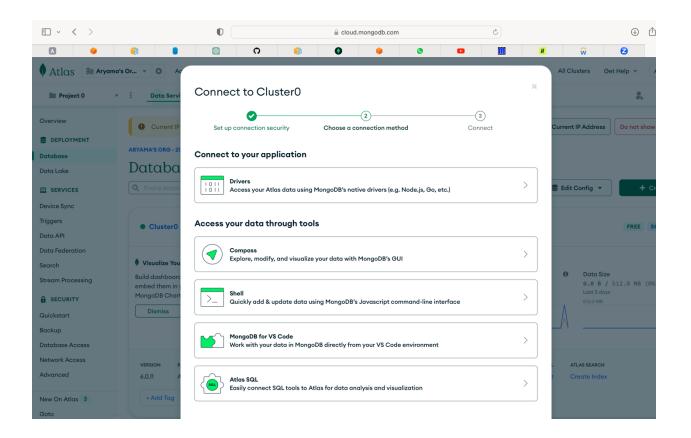# MongoDB Cluster Creation in Cloud Environment.

Cluster created using Cloud Environment Data Services.

Connecting the database with MongoDB shell and MongoDB compass

Atlas | Aryama's Or... ⚙

All Clusters | Get Help

Project 0 | Data Servi

Overview

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ARYAMA'S ORG - 2

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🔷 Visualize You

Build dashboard
embed them in
MongoDB Chart

Dismiss

VERSION
6.0.11

+ Add Tag

Current IP Address | Do not show

Edit Config ▾ | + Cr

FREE | S

Data Size
0.0 B / 512.0 MB (0%
Last 3 days
512.0 MB

ATLAS SEARCH
Create Index

Connect to Cluster0 ✕

① Set up connection security ——— ② Choose a connection method ——— ③ Connect

Connect to your application

▸ **Drivers**
Access your Atlas data using MongoDB's native drivers (e.g. Node.js, Go, etc.)

Access your data through tools

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

▸ **Shell**
Quickly add & update data using MongoDB's Javascript command-line interface

▸ **MongoDB for VS Code**
Work with your data in MongoDB directly from your VS Code environment

▸ **Atlas SQL**
Easily connect SQL tools to Atlas for data analysis and visualization

Using MongoDB shell. We will be installing mongosh and run mongosh connection string.

Creating first database

```
To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

Atlas atlas-38kxtb-shard-0 [primary] test>
(base) aryamar@Aryamas-Air bin % echo $PATH
/opt/homebrew/bin:/opt/homebrew/sbin:/Users/aryamar/anaconda3/bin:/Users/aryamar/anaconda3/condabin:/Library/Frameworks/Python.framework/Versions/3.11/bin:/usr/local/bin:/System/Cryp
/bin:/bin:/usr/sbin:/sbin
(base) aryamar@Aryamas-Air bin % mongosh "mongodb+srv://cluster0.c1zpbns.mongodb.net/" --apiVersion 1 --username aryama
Enter password: **********
Current Mongosh Log ID: 6531c39ff120909313517547
Connecting to:          mongodb+srv://<credentials>@cluster0.c1zpbns.mongodb.net/?appName=mongosh+1.10.6
Using MongoDB:          6.0.11 (API Version 1)
Using Mongosh:          1.10.6
mongosh 2.0.2 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

Atlas atlas-38kxtb-shard-0 [primary] test> db
test
Atlas atlas-38kxtb-shard-0 [primary] test> use firstDatabase
switched to db firstDatabase
Atlas atlas-38kxtb-shard-0 [primary] firstDatabase> ▊
```

Also, we can connect Cluster using connection string in MongoDB compass:

Connect to Cluster0

✔ Set up connection security   ✔ Choose a connection method   ③ **Connect**

Connecting with MongoDB Compass

| I don't have MongoDB Compass installed | I have MongoDB Compass installed |

1. Select your operating system and download MongoDB Compass

macOS 64-bit (10.14+) ▼

⬇ Download Compass (1.40.4)   or   ⎘ Copy download URL

Compass is an interactive tool for querying, optimizing, and analyzing your MongoDB data.

2. Copy the connection string, then open MongoDB Compass

mongodb+srv://aryama:<password>@cluster0.c1zpbns.mongodb.net/

Replace **<password>** with the password for the **aryama** user.
When entering your password, make sure that any special characters are URL encoded.

RESOURCES

Connect with Compass ☐   Import and Export Data ☐
Access your Database Users ☐   Troubleshoot Connections ☐

Go Back   Close

from pymongo import MongoClient

```python
client = MongoClient(f" your connection string ")

db = client["Lab_2"]

collection = db['Company_T']

results = collection.find().limit(10)

print(results)
```