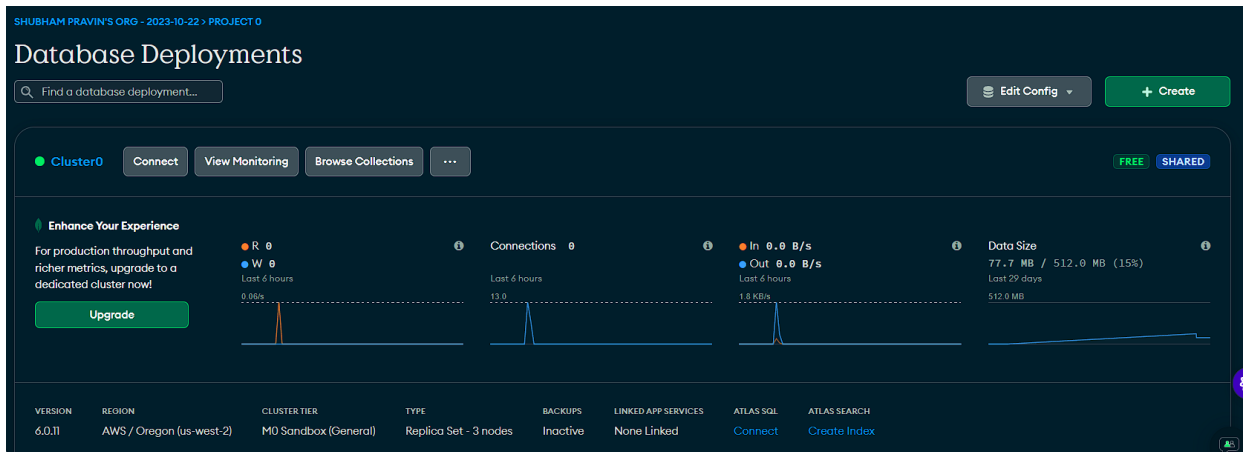


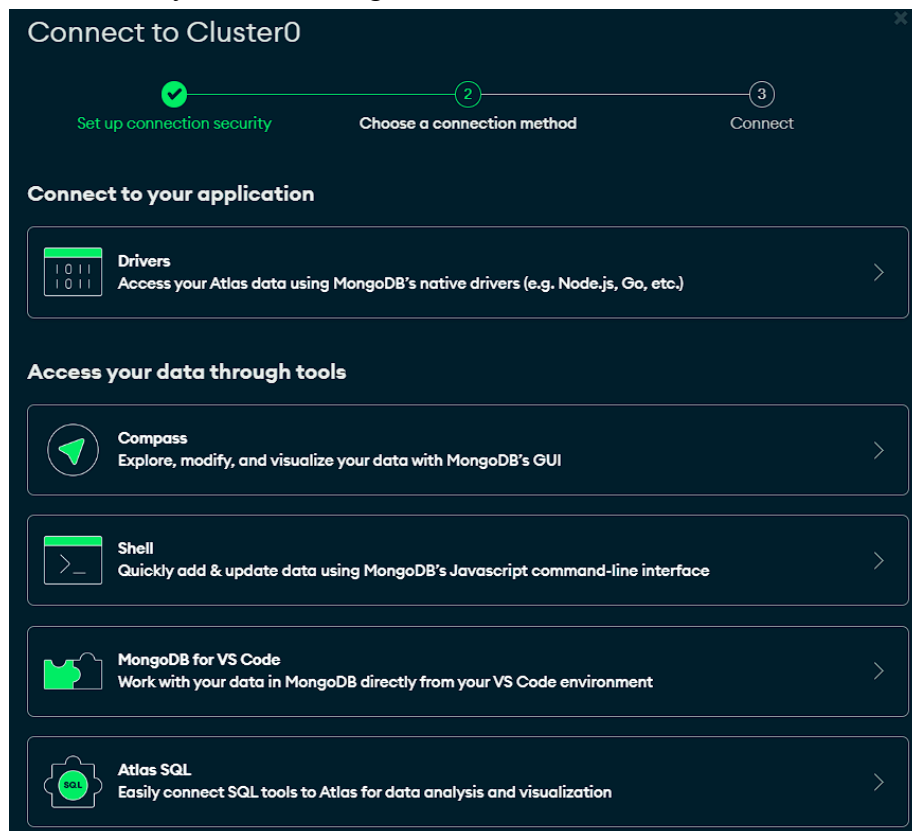
Connectivity to MongoDB in Cloud

There are three ways for users to connect to MongoDB in the cloud.

1. Mongo Shell: MongoDB's command line interface for performing CRUD actions
- To connect to MongoDB in the cloud, users can select the "Connect" option.



- From the 'Access your data through rules' section, select 'Shell'.



- Users can also download "mongosh" and add the "mongosh" path to the path variable. After that, they can copy the connection string and paste it into the command prompt.

Connect to Cluster0

✓

✓

3

Set up connection securityChoose a connection methodConnect

I don't have the MongoDB Shell installed

I have the MongoDB Shell installed

1. Select your operating system and download the MongoDB Shell

Windows

Download mongosh (2.0.0)

 or

Copy download URL

Mongosh(2.0.0) lets you connect to MongoDB to work with your data and configure your database. 2.0.0 or greater is required to work with Atlas Stream Processing

2. Add <your mongosh's download directory>/bin to your \$PATH variable. [How to](#)

3. Run your connection string in your command line

Use this connection string in your application

mongosh "mongodb+srv://cluster0.h3ferxg.mongodb.net/" --apiVersion 1 --username shubham

You will be prompted for the password for the Database User, **shubham**. When entering your password, make sure all special characters are [URL encoded](#).

```
mongosh mongodb+srv://<credentials>@cluster0.bhpnxup.mongodb.net/
Microsoft Windows [Version 10.0.23560.1000]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>mongosh "mongodb+srv://cluster0.bhpnxup.mongodb.net/" --apiVersion 1 --username shubham
Enter password: ****
Current Mongosh Log ID: 655b111816e7a10dd1866bc1
Connecting to:      mongodb+srv://<credentials>@cluster0.bhpnxup.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

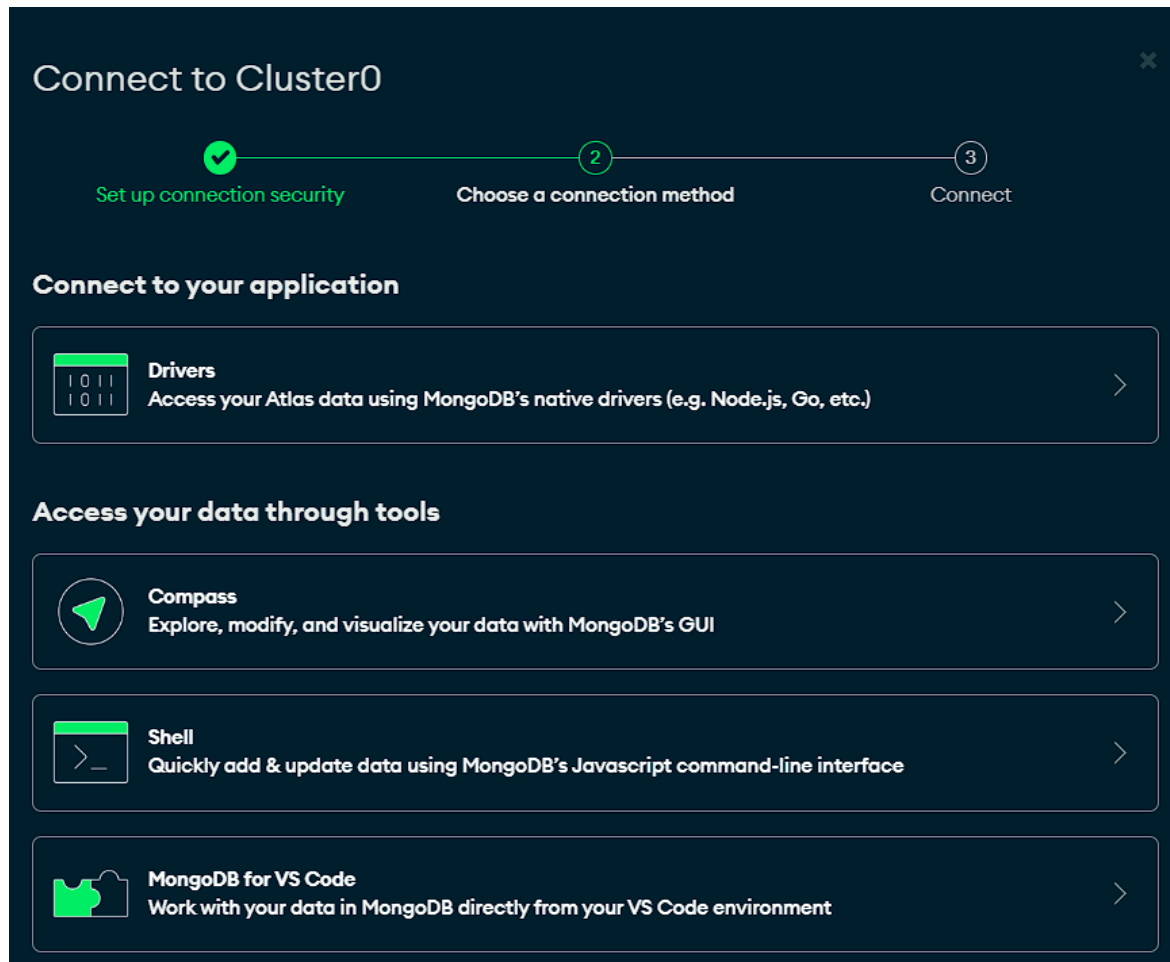
For mongosh info see: https://docs.mongodb.com/mongodb-shell/

Atlas atlas-mbgkj4-shard-0 [primary] test> _
```

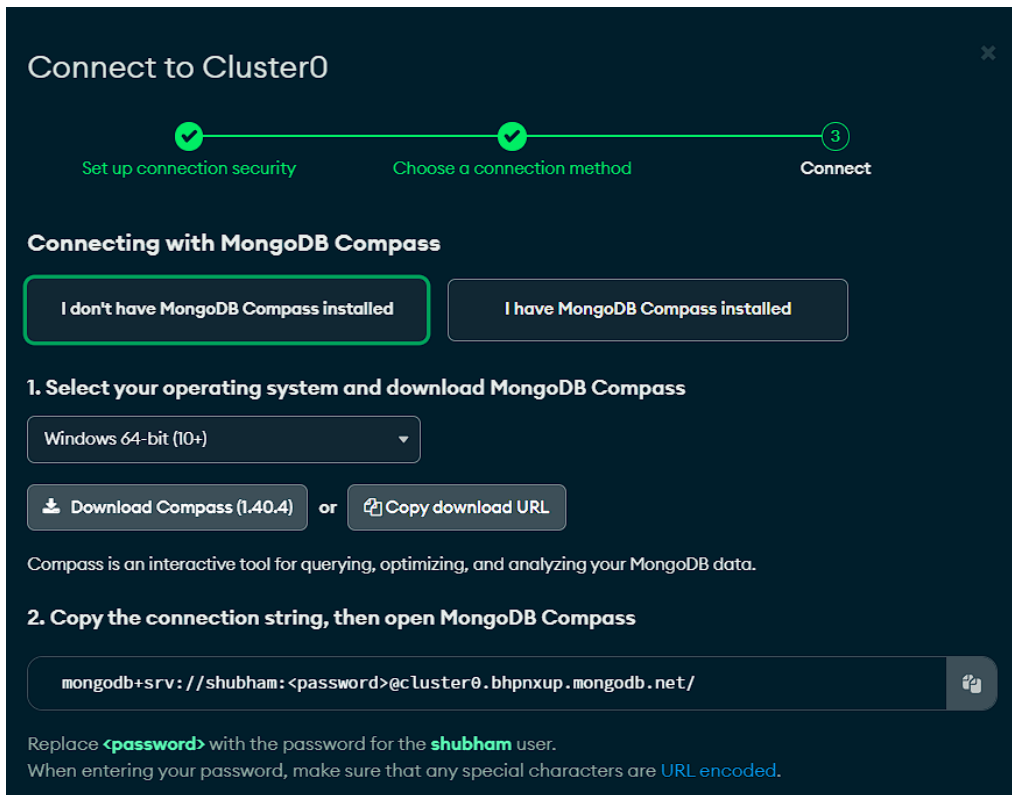
- Upon typing the correct password given during the user creation, the user will successfully connect to MongoDB in the cloud. Once connected, users can perform any CRUD operations.

2. Compass- Graphic User Interface to explore and perform operations.

- From the 'Access your data through rules' section, select 'Compass'.



- Download the Compass exe file to your system and then copy the connection string.



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

Windows 64-bit (10+)

Download Compass (1.40.4) or Copy download URL

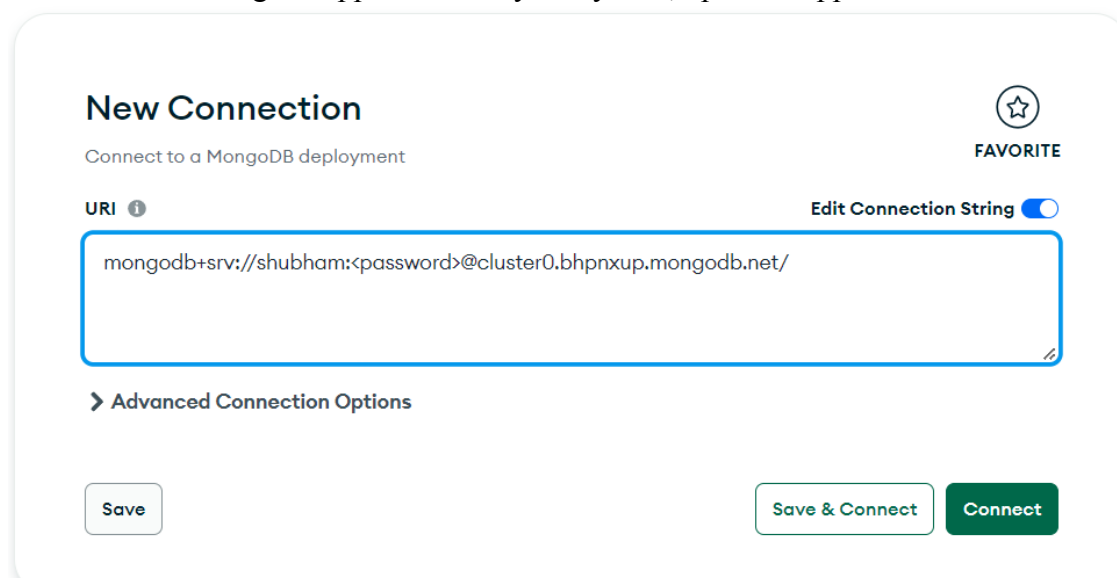
Compass is an interactive tool for querying, optimizing, and analyzing your MongoDB data.

2. Copy the connection string, then open MongoDB Compass

mongodb+srv://shubham:<password>@cluster0.bhpnxup.mongodb.net/

Replace **<password>** with the password for the **shubham** user.
When entering your password, make sure that any special characters are [URL encoded](#).

- Connection string:
mongodb+srv://shubham:<password>@cluster0.bhpnxup.mongodb.net/test
(replace <password> with password created for the user)
- After installing the application on your system, open the application.



New Connection FAVORITE

Connect to a MongoDB deployment

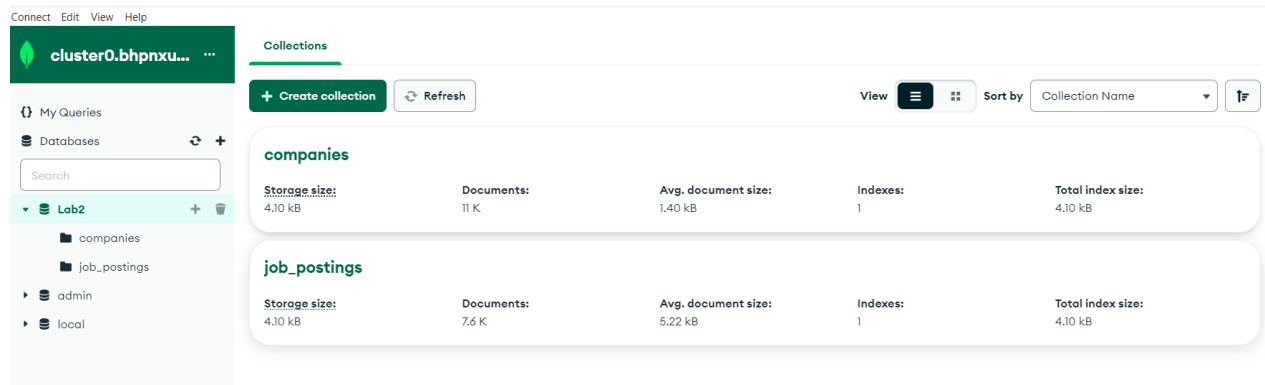
URI Edit Connection String

mongodb+srv://shubham:<password>@cluster0.bhpnxup.mongodb.net/

Advanced Connection Options

Save Save & Connect Connect

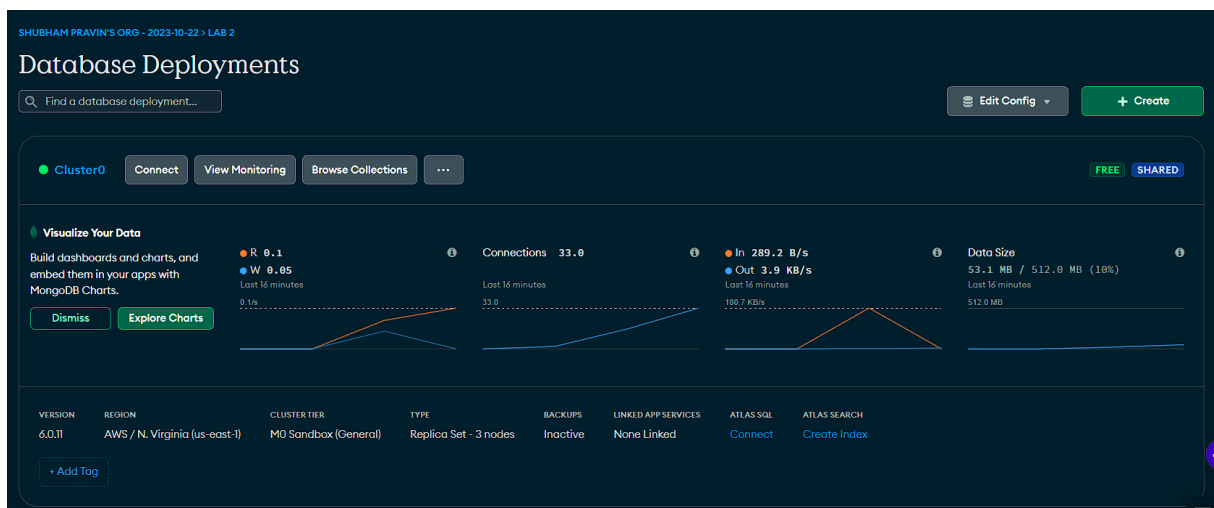
- Replace the URL field with the connection string that was copied from the MongoDB website, and then click on the "Connect" button.
- Upon successfully establishing a connection, you should be able to view the collections and documents stored within the cluster that you just connected to.



- Now that the user has successfully connected to the cluster using Compass, they can explore and perform any necessary operations within the application.

3. Cloud Connection

- Users can also establish a connection to MongoDB cloud by logging into their account. Once you have logged into your account, you can proceed to establish a connection.



- After logging into your MongoDB cloud account, select "Command Line Tools" in the cluster to access the data stored within the collections. From there, you can perform operations on the data and explore the contents of the collections.

DATABASES: 1 COLLECTIONS: 2

VISUALIZE YOUR DATA REFRESH

+ Create Database

Search Namespaces

Lab2

- companies
- job_postings

Lab2.companies

STORAGE SIZE: 8.83MB LOGICAL DATA SIZE: 16.13MB TOTAL DOCUMENTS: 11361 INDEXES TOTAL SIZE: 340KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

More Options

QUERY RESULTS: 1-20 OF MANY

_id: ObjectId('655b12240d999e2f4db343a1')
company_id: 1009
name: "IBM"
description: "At IBM, we do more than work. We create. We create as technologists, d."
company_size: 7
state: "NV"
country: "US"
city: "Armonk, New York"
zip_code: 10584