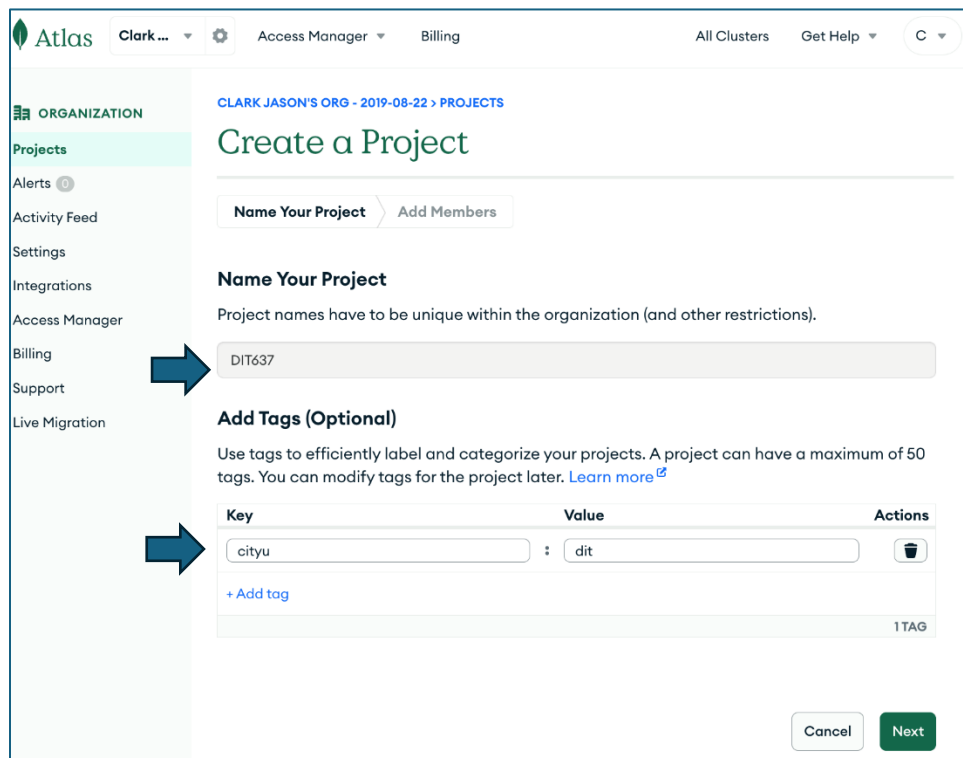
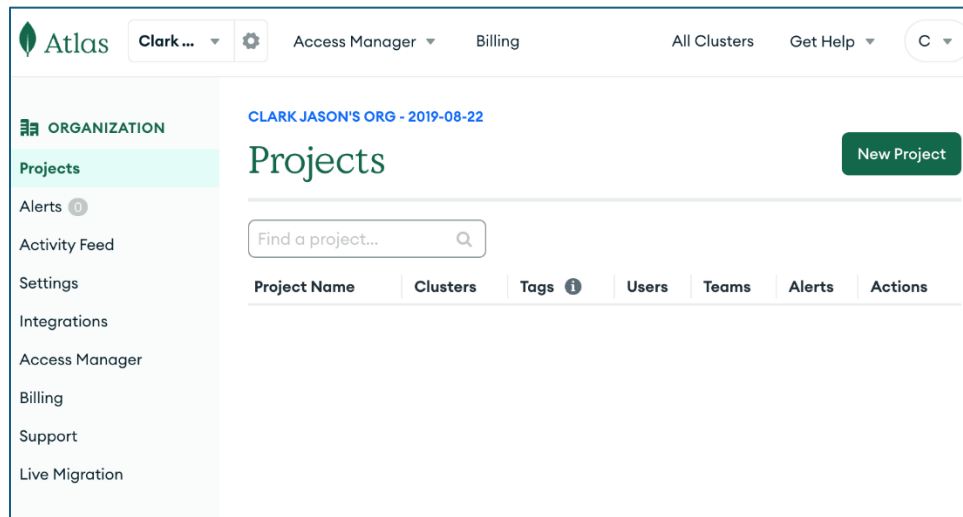


Creating our database in the cloud

MongoDB Atlas and Load Sample Data

1. Create an account in [MongoDB Atlas](#).
2. Create a New Project and follow along with the screenshot. Use any values when required and use any default values if given.



Use your email.

CLARK JASON'S ORG - 2019-08-22 > PROJECTS

Create a Project

✓ Name Your Project > Add Members

Add Members and Set Permissions

Invite new or existing users via email address...

Give your members access permissions below.

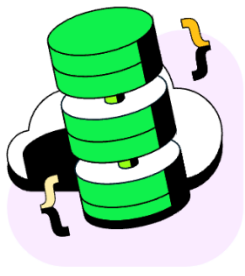
clarkngo@gmail.com (you) Project Owner

Back Cancel Create Project

3. Choose M0 Free. Select the provider (AWS) and the region according to your location.

CLARK JASON'S ORG - 2019-08-22 > DIT637

Overview



Create a cluster

Choose your cloud provider, region, and specs.

➔ + Create

Select the AWS as provider and your region.

Deploy your cluster

Use a template below or set up advanced configuration options. You can also edit these configuration options once the cluster is created.

☐ **M10** **\$0.08/hour**
For production applications with sophisticated workload requirements.

STORAGE	RAM	vCPU
10 GB	2 GB	2 vCPUs

☐ **Serverless** **\$0.10/1M reads**
For application development and testing, or workloads with variable traffic.

STORAGE	RAM	vCPU
Up to 1TB	Auto-scale	Auto-scale

☒ **M0** **Free**
For learning and exploring MongoDB in a cloud environment.

STORAGE	RAM	vCPU
512 MB	Shared	Shared

✔ **Free forever!** Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

Name
You cannot change the name once the cluster is created.

☒ Automate security setup ⓘ
☒ Preload sample dataset ⓘ

Provider

aws

Google Cloud

Azure

Region

N. Virginia (us-east-1) ★ ⓘ

★ Recommended ⓘ Low carbon emissions ⓘ

Tag (optional)
Create your first tag to categorize and label your resources; more tags can be added later. [Learn more.](#)

:

I'll do this later

Go to Advanced Configuration

Create Deployment

3 | D I T 6 3 7

4. Copy and save your password (if you lose it, you can regenerate a new one in left pane side menu 'Database Access' under 'SECURITY').

Connect to Cluster0

1

2

3

Set up connection securityChoose a connection methodConnect

You need to secure your MongoDB Atlas cluster before you can use it. Set which users and IP addresses can access your cluster now. [Read more](#)

- Add a connection IP address**

✓ Your current IP address (152.44.208.138) has been added to enable local connectivity. Add another later in [Network Access](#).
- Create a database user**

This first user will have [atlasAdmin](#) permissions for this project.

We autogenerated a username and password. You can use this or create your own.

i You'll need your database user's credentials in the next step. Copy the database user password.

Username	Password
<input type="text" value="clarkngo"/>	<input type="password" value=""/> <div>HIDE</div>

Create Database User

Close

Choose a connection method

Connect to Cluster0

1

2

3

Set up connection securityChoose a connection methodConnect

You need to secure your MongoDB Atlas cluster before you can use it. Set which users and IP addresses can access your cluster now. [Read more](#)

- Add a connection IP address**

✓ Your current IP address (152.44.208.138) has been added to enable local connectivity. Add another later in [Network Access](#).
- Create a database user**

✓ A database user has been added to this project. Create another user later in [Database Access](#).

You'll need your database user's credentials in the next step.

Close

Choose a connection method

Connect to Cluster0


1

2

3

Set up connection securityChoose a connection methodConnect

Connect to your application

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

>

5. Replace the <password> (including <>) with the password you copied when you created a user. Copy the 'mongodb' connection string in a notepad for now.

3. Add your connection string into your application code

☐ View full code sample☐ Show Password ⓘ

```
mongodb+srv://clarkngo:<password>@cluster0.rhkmsrr.mongodb.net/?
retryWrites=true&w=majority&appName=Cluster0
```

Replace **<password>** with the password for the **clarkngo** user. Ensure any option params are [URL encoded](#).

RESOURCES

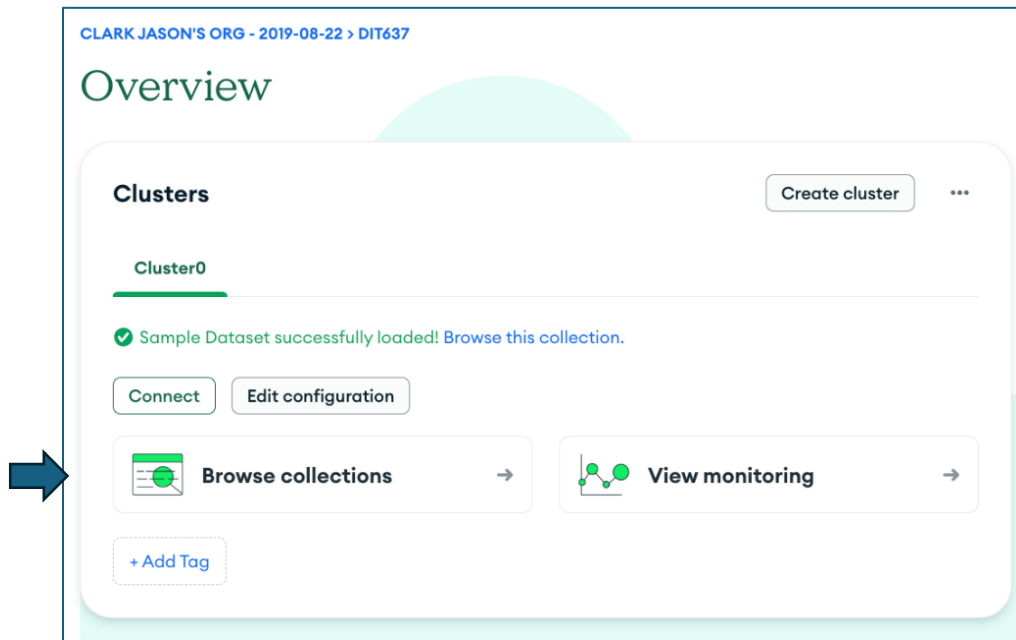
[Get started with the Node.js Driver](#)[Node.js Starter Sample App](#)

[Access your Database Users](#)[Troubleshoot Connections](#)

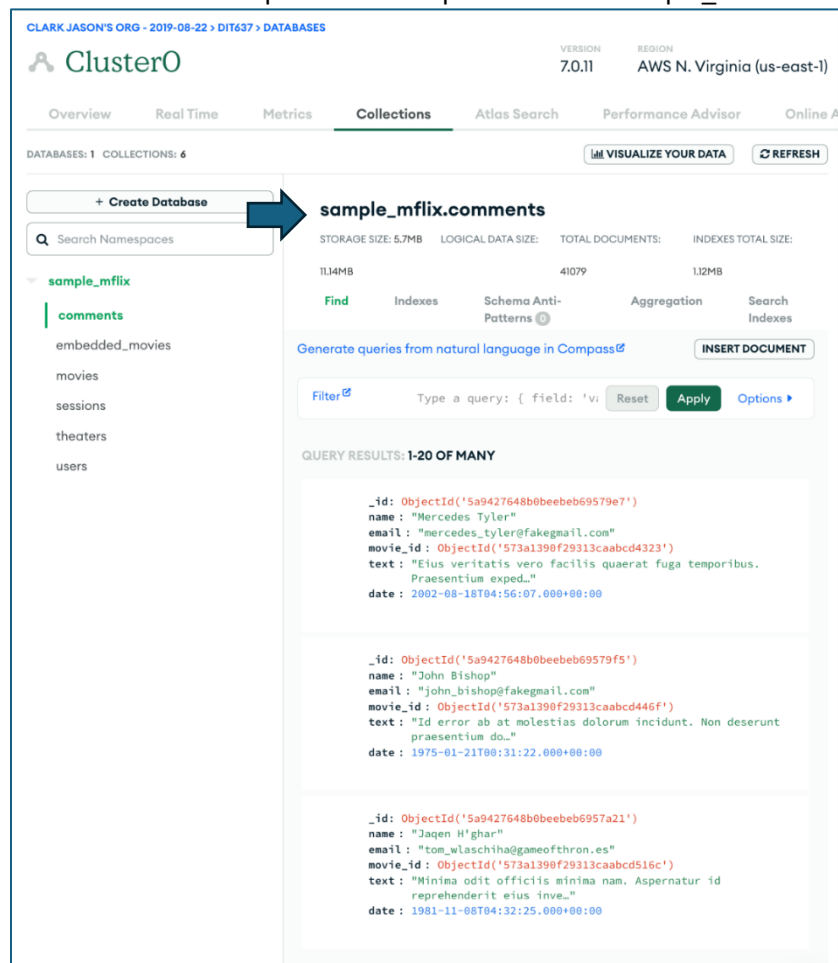
Go Back

Done

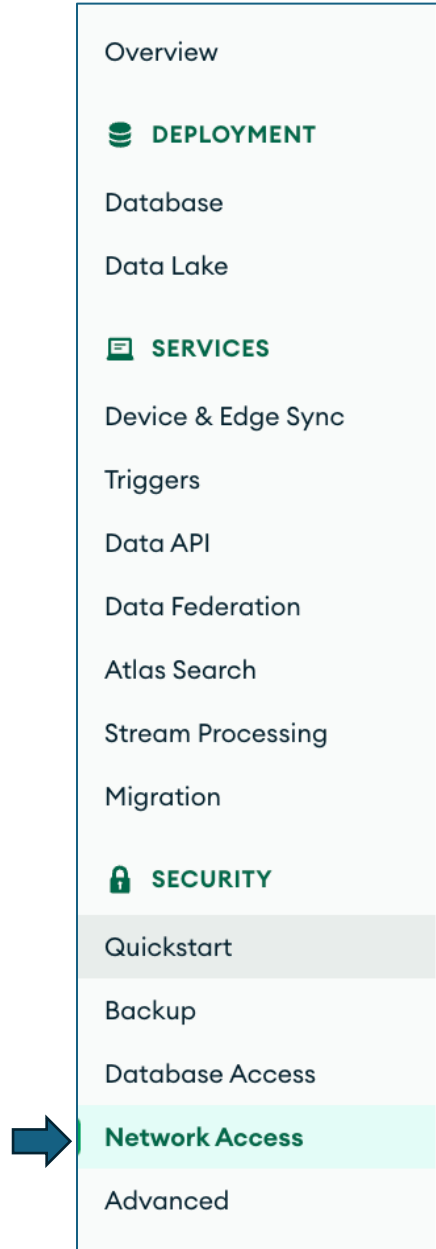
6. Click the 'Browse Collection.'



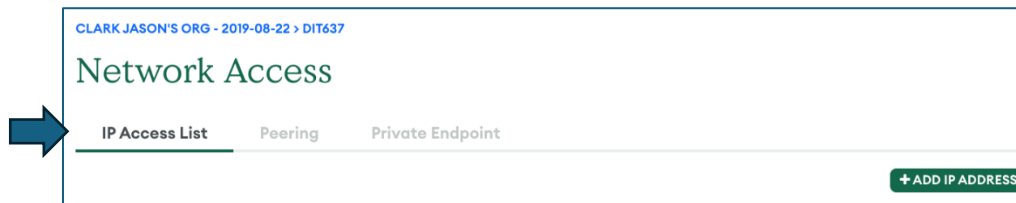
It should have a preloaded sample database: 'sample_mflix'



7. Allow Network access. Go to Network Access under Security.



8. Click the 'ADD IP ADDRESS.'



9. Add '0.0.0.0/0'

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](#).

ALLOW ACCESS FROM ANYWHERE

Access List Entry:

Comment:

☐ This entry is temporary and will be deleted in

10. Have the screenshot of your 'Network Access' as 'sam_chung_network_access.png' by using your first and last name.

The screenshot shows the MongoDB Atlas 'Network Access' configuration page for a cluster named 'DIT637'. The 'IP Access List' tab is selected, showing a table with two entries. The first entry is '67183.238.81/32' with the comment 'Created as part of the Auto Setup process'. The second entry is '0.0.0.0/0' with the comment 'allow access'. Both entries are marked as 'Active'. A '+ ADD IP ADDRESS' button is visible in the top right corner of the table area. The left sidebar shows the 'Network Access' section under 'SECURITY'.

IP Address	Comment	Status	Actions
67183.238.81/32 (includes your current IP address)	Created as part of the Auto Setup process	Active	EDIT DELETE
0.0.0.0/0 (includes your current IP address)	allow access	Active	EDIT DELETE

