Mongo Atlas Setup

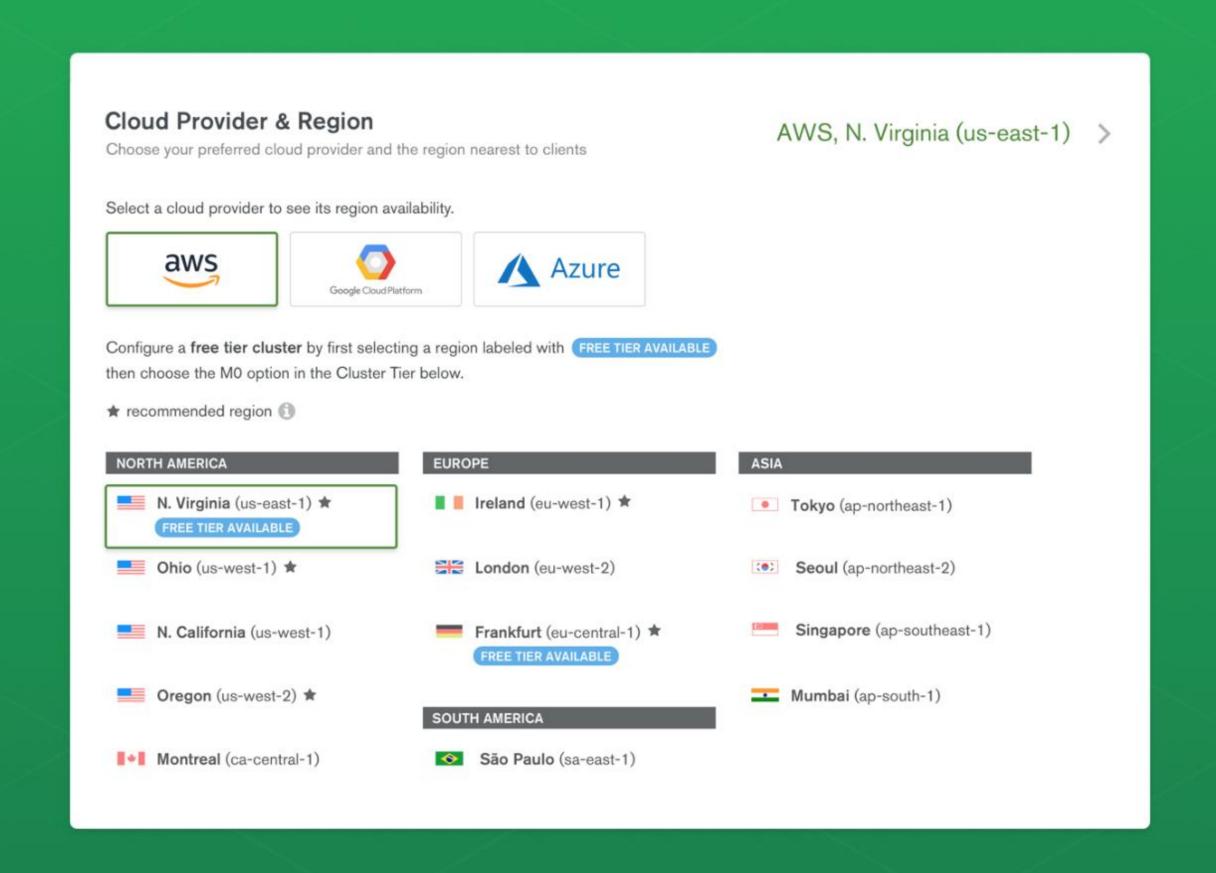https://www.mongodb.com/download-center

MongoDB Atlas

Move faster with a cloud MongoDB service. Built for agile teams who'd rather spend time building apps than managing databases. Available on AWS, Azure, and GCP.

Start free   **1**

Already have an account? **Log in here** →

Cloud Provider & Region
Choose your preferred cloud provider and the region nearest to clients

AWS, N. Virginia (us-east-1)   ›

Select a cloud provider to see its region availability.

aws   Google Cloud Platform   **Azure**

Configure a **free tier cluster** by first selecting a region labeled with **FREE TIER AVAILABLE** then choose the M0 option in the Cluster Tier below.

★ recommended region ⓘ

NORTH AMERICA	EUROPE	ASIA
N. Virginia (us-east-1) ★ **FREE TIER AVAILABLE**	Ireland (eu-west-1) ★	Tokyo (ap-northeast-1)
Ohio (us-west-1) ★	London (eu-west-2)	Seoul (ap-northeast-2)
N. California (us-west-1)	Frankfurt (eu-central-1) ★ **FREE TIER AVAILABLE**	Singapore (ap-southeast-1)
Oregon (us-west-2) ★	**SOUTH AMERICA**	Mumbai (ap-south-1)
Montreal (ca-central-1)	São Paulo (sa-east-1)	

mongoDB. Atlas

Get started free
No credit card required

Sign Up

Your Work Email	First Name

Last Name	Password

☐ I agree to the terms of service and privacy policy.

Get started free

Starter Clusters

For teams learning MongoDB or developing small applications.

- ✔ Highly available auto-healing cluster
- ✔ End-to-end encryption
- ✔ Role-based action control
- ✘ No downtime scaling
- ✘ Network isolation
- ✘ Realtime performance metrics

Starting at
FREE

Create a cluster

Single-Region Clusters

For teams building applications that need advanced development and production-ready environments.

- ✔ Includes all features from Starter Clusters
- ✔ No downtime scaling
- ✔ Network isolation
- ✔ Realtime performance metrics

Starting at
$0.08/hr*
*estimated cost $56.94/month

Create a cluster

Multi-Region Clusters

For teams developing world-class applications that require multi-region resiliency or ultra-low latency.

- ✔ Includes all features from Starter and Single-Region Clusters
- ✔ Replicate data across multiple regions

Global Clusters ⚪

- ✔ Globablly distributed read and write operations
- ✔ Control data residency at the document level

Starting at
$0.13/hr*
*estimated cost $98.55/month

Create a cluster
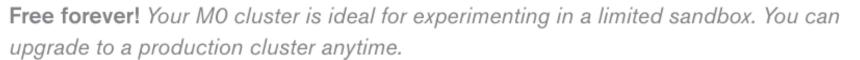
Cloud Provider & Region

AWS, Ireland (eu-west-1) ⌄

aws | Google Cloud Platform | **Azure**

Create a **free tier cluster** by selecting a region with FREE TIER AVAILABLE and choosing the **M0** cluster tier below.

★ recommended region ⓘ

NORTH AMERICA	EUROPE	ASIA
🇺🇸 **N. Virginia** (us-east-1) ★ FREE TIER AVAILABLE	🇸🇪 **Stockholm** (eu-north-1) ★	🇭🇰 **Hong Kong** (ap-east-1) ★
🇺🇸 **Ohio** (us-east-2) ★	🇮🇪 **Ireland** (eu-west-1) ★ FREE TIER AVAILABLE **2**	🇯🇵 **Tokyo** (ap-northeast-1) ★
🇺🇸 **N. California** (us-west-1)	🇬🇧 **London** (eu-west-2) ★	🇰🇷 **Seoul** (ap-northeast-2)
🇺🇸 **Oregon** (us-west-2) ★ FREE TIER AVAILABLE	🇫🇷 **Paris** (eu-west-3) ★	🇸🇬 **Singapore** (ap-southeast-1) ★ FREE TIER AVAILABLE
🇨🇦 **Montreal** (ca-central-1)	🇩🇪 **Frankfurt** (eu-central-1) ★ FREE TIER AVAILABLE	🇮🇳 **Mumbai** (ap-south-1) FREE TIER AVAILABLE
	SOUTH AMERICA	AUSTRALIA

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

Cancel   Create Cluster **3**

CONTEXT

| Project 0   ▾ |

ATLAS

Clusters

Data Lake ᴮᴱᵀᴬ

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Network Access

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Trig...

✅ **Get Started** ④

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YOVEL'S ORG - 2019-07-08 > PROJECT 0

Clusters

Build a New Cluster

🔍 Find a cluster...

SANDBOX

● **Cluster0**
Version 4.0.10

4

| CONNECT | METRICS | COLLECTIONS | ⋯ |

INSTANCE SIZE
M0 Sandbox (General)

REGION
AWS / Ireland (eu-west-1)

TYPE
Replica Set - 3 nodes

LINKED STITCH APP
None Linked

Operations   R: W:
100.0/s
0
Last 6 Hours

Connections   **0**
100 max
0
Last 6 Hours

Logical Size   **0.0 B**
512.0 MB max
0.0 B
Last 6 Hours

Enhance Your Experience
For dedicated throughput, richer metrics and enterprise security options, upgrade your cluster now!

Upgrade

System Status: All Good   Last Login: 77.139.250.104

CONTEXT

Project 0 ⌄

ATLAS

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Data Lake BETA

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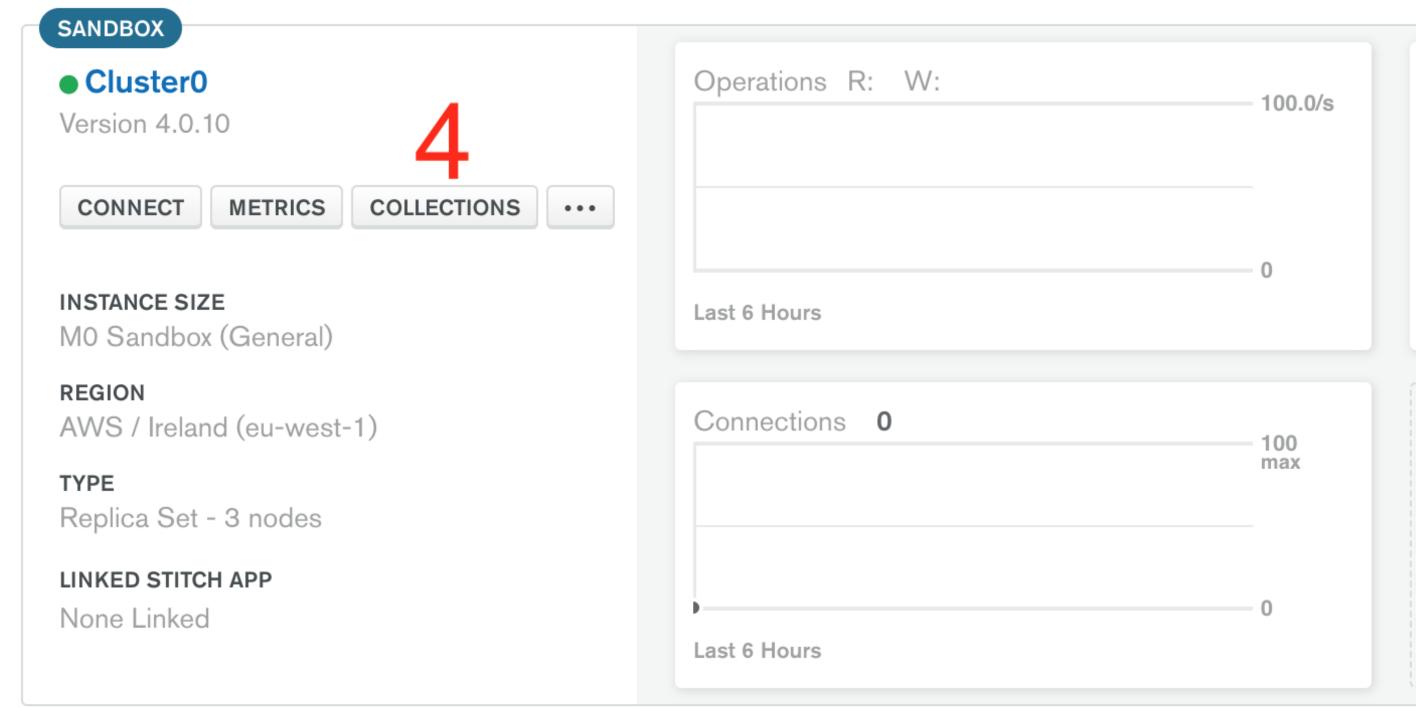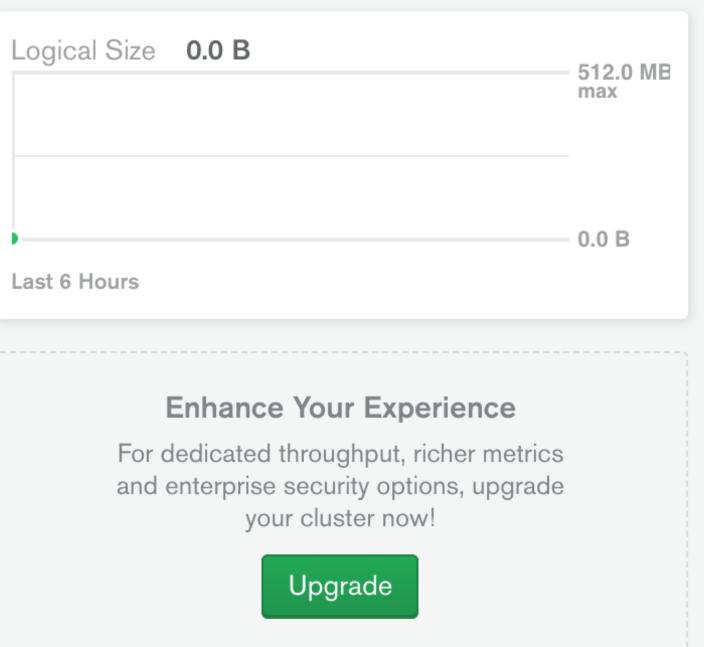
Alerts 0

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✓ Get Started 4

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Cluster0

VERSION
4.0.10

REGION
Ireland (eu-west-1)

Overview   Real Time   Metrics   **Collections**   Command Line Tools

DATABASES: 0   COLLECTIONS: 0

⟳ REFRESH

Interact with your data

Run queries, view metadata about your collections, manages indexes, and interact with your data with full CRUD functionality.

Load a Sample Dataset   Add my own data   5

More information

CONTEXT

Project 0 ▾

A Cluster0

VERSION
4.0.10

REGION
Ireland (eu-we

TLAS

Clusters

Data Lake BETA

Overview   Real Time

DATABASES: 0 COLLECTIONS: 0

C REF

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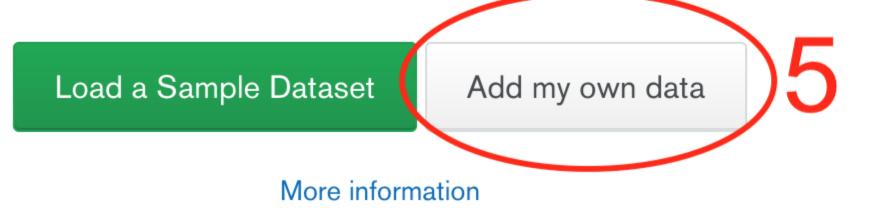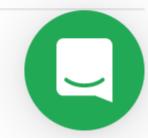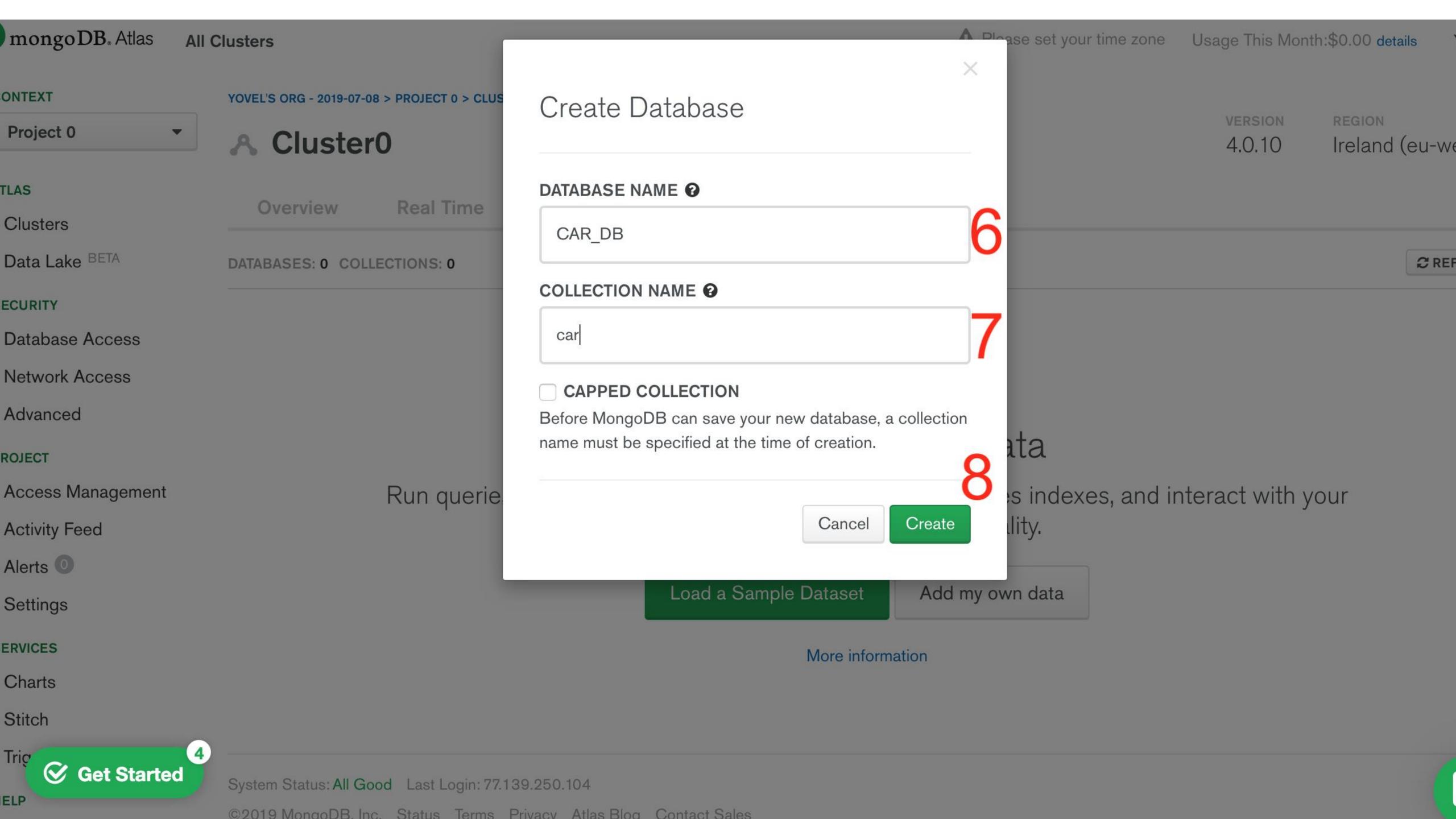Access Management

Activity Feed

Alerts 0

Settings

Create Database

×

DATABASE NAME ❓

CAR_DB

6

COLLECTION NAME ❓

car

7

☐ **CAPPED COLLECTION**

Before MongoDB can save your new database, a collection name must be specified at the time of creation.

8

Cancel   Create

ata

es indexes, and interact with your
lity.

Run querie

Load a Sample Dataset   Add my own data

More information

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⊘ Get Started 4

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mongoDB. Atlas

Please set your time zone

Usage This Month: $0.00   det

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👤 **Cluster0**

VERSION
4.0.10

REGION
Ireland

Overview   Real Time   Metrics   **Collections**   Command Line Tools

DATABASES: **1**   COLLECTIONS: **1**

+ **Create Database**

🔍 NAMESPACES

▸ CAR_DB

car

System Status: **All Good**   Last Login: 77.139.250.104

mongoDB. Atlas

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YOVEL'S ORG - 2019-07-08 > PROJECT 0

Database Access

MongoDB Users   MongoDB Roles

10   **+ ADD NEW USER**

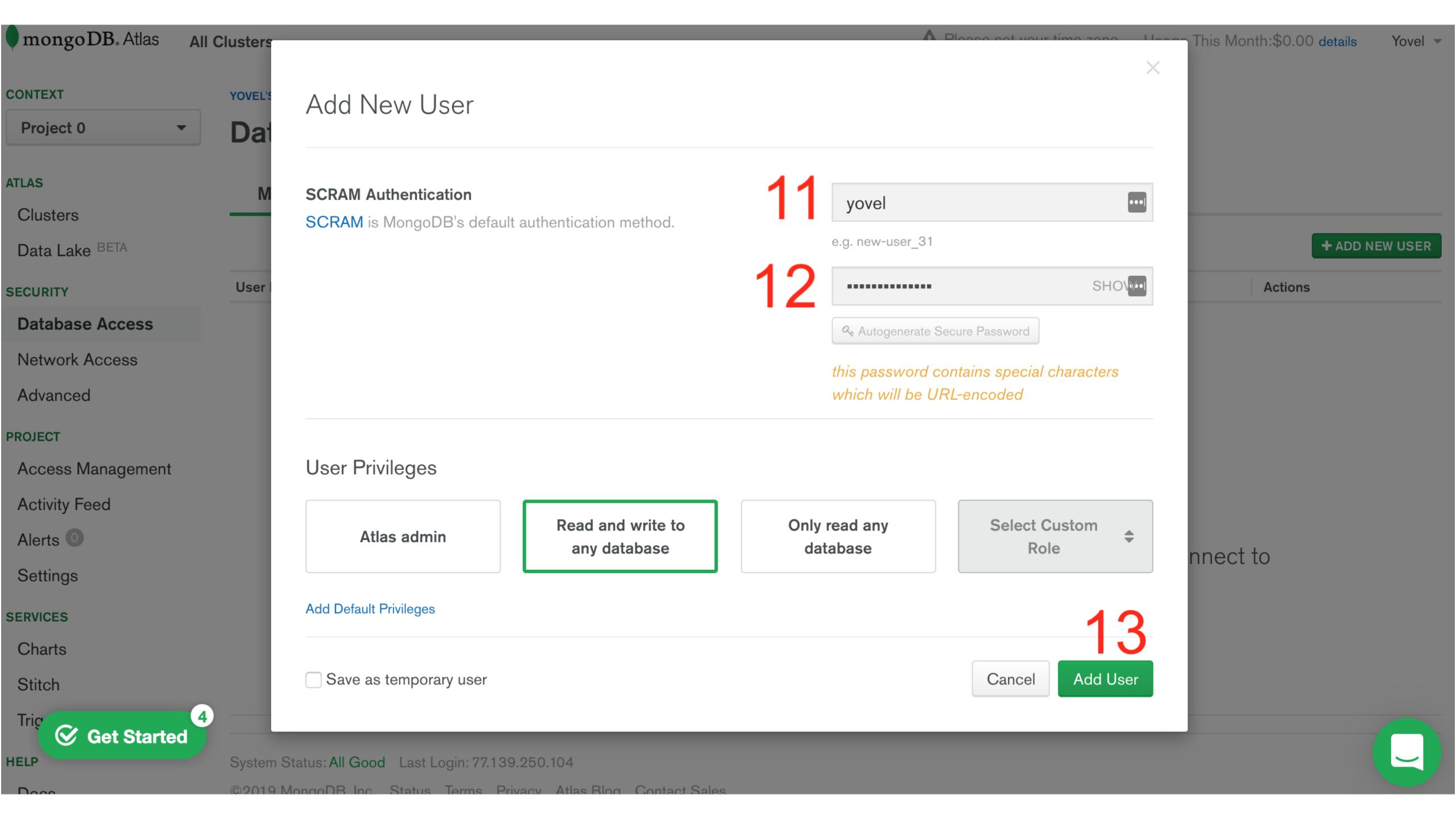| User Name ⬍	Authentication Method ▲	MongoDB Roles	Actions

Create a database user

Set up database users, permissions, and authentication credentials in order to connect to your clusters.

Learn more

CONTEXT

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Da

M

User   ADD NEW USER

User   Actions

Add New User

SCRAM Authentication   11   yovel

SCRAM is MongoDB's default authentication method.   e.g. new-user_31

12   ●●●●●●●●●●●●●● SHOW

🔑 Autogenerate Secure Password

this password contains special characters
which will be URL-encoded

User Privileges

| Atlas admin | Read and write to any database | Only read any database | Select Custom Role |

Add Default Privileges

13

☐ Save as temporary user   Cancel   Add User

nnect to

⚠ Please set your time zone   Usage This Month:$0.00 details   Yovel ▾

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✓ Get Started ③

HELP

We are deploying your changes (current action: configuring MongoDB)

YOVEL'S ORG - 2019-07-08 > PROJECT 0

Database Access

MongoDB Users   MongoDB Roles

14

+ ADD NEW USER

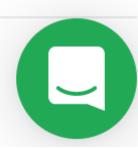| User Name ⇅	Authentication Method ▲	MongoDB Roles	Actions
🧑 yovel	SCRAM	**readWriteAnyDatabase**@admin	✏ EDIT 🗑 DELETE

System Status: All Good   Last Login: 77.139.250.104

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⚠ Please set your time zone   Usage This Month: $0.00 details   Yovel ▾

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We are deploying your changes (current action: configuring MongoDB)

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Network Access

IP Whitelist   Peering   **15**

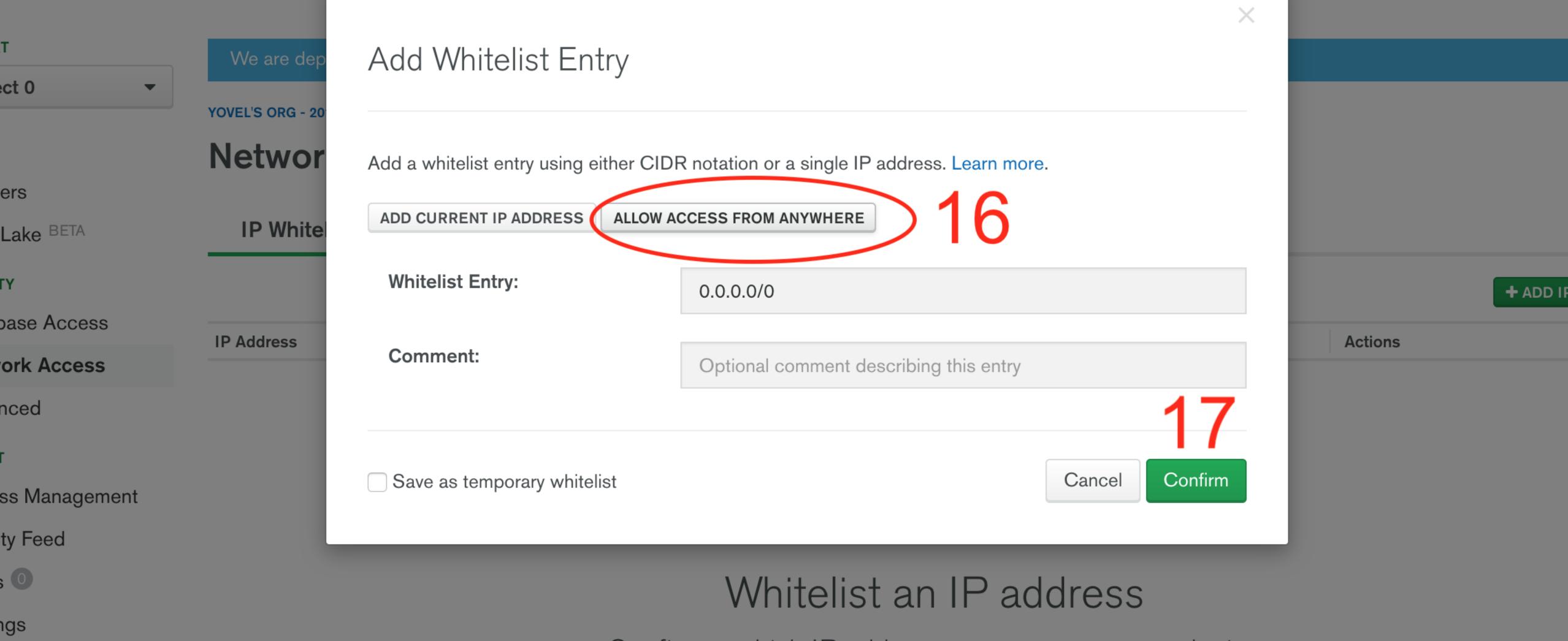**+ ADD IP ADDRESS**

IP Address	Comment	Status	Actions

Whitelist an IP address

Configure which IP addresses can access your cluster.

Learn more

Add Whitelist Entry

Add a whitelist entry using either CIDR notation or a single IP address. Learn more.

ADD CURRENT IP ADDRESS   ALLOW ACCESS FROM ANYWHERE   **16**

Whitelist Entry: 0.0.0.0/0

Comment: Optional comment describing this entry

17

☐ Save as temporary whitelist   Cancel   Confirm

We are dep

YOVEL'S ORG - 20

Networ

ct 0

IP Whitel

IP White

IP Address   Actions

Whitelist an IP address

Configure which IP addresses can access your cluster.

Learn more

Get Started **3**

mongoDB Atlas

CONTEXT

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~~Clusters~~ **18**

Data Lake BETA

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✓ Get Started 2

HELP

We are deploying your changes (current action: configuring MongoDB)

YOVEL'S ORG - 2019-07-08 > PROJECT 0

Network Access

IP Whitelist   Peering

+ ADD IP AD

You will only be able to connect to your cluster from the following list of IP Addresses:

IP Address	Comment	Status	Actions
0.0.0.0/0 (includes your current IP address)		🟢 Active	⚙ EDIT 🗑 DELETE

System Status: All Good   Last Login: 77.139.250.104

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MongoDB Atlas

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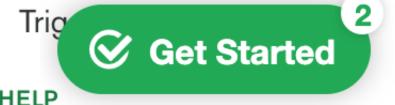
Advanced

PROJECT

Access Management
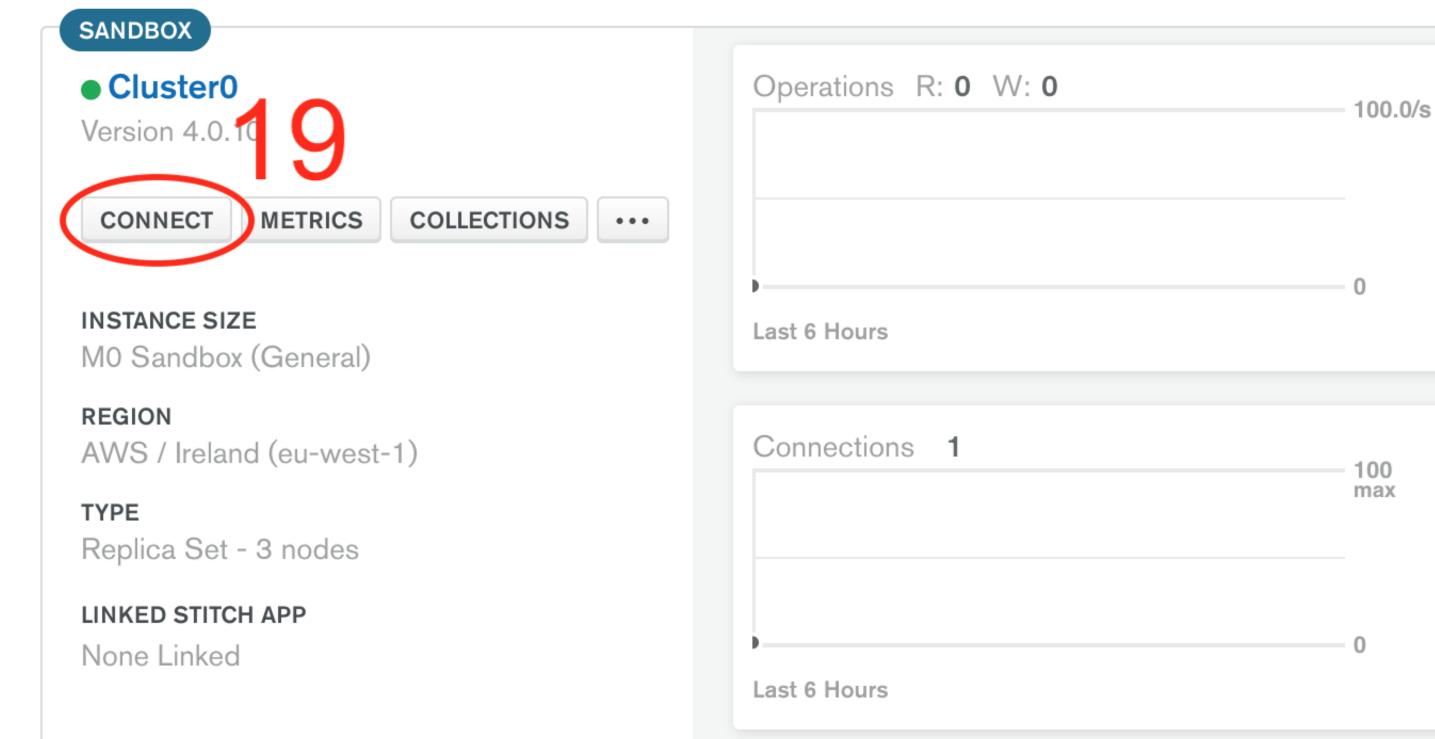
Activity Feed

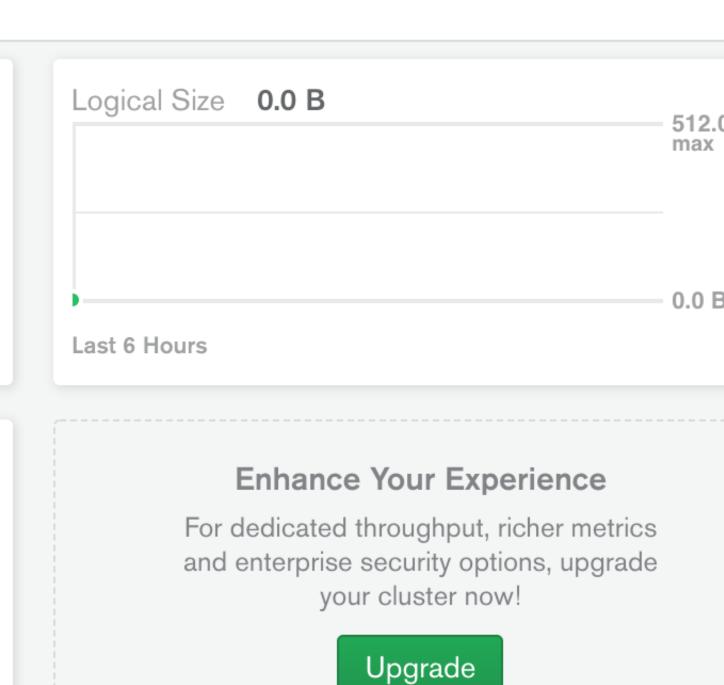Alerts 0

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Clusters

Build a New C

🔍 Find a cluster...

SANDBOX

● Cluster0

Version 4.0.10   **19**

CONNECT   METRICS   COLLECTIONS   ...

INSTANCE SIZE
M0 Sandbox (General)

REGION
AWS / Ireland (eu-west-1)

TYPE
Replica Set - 3 nodes

LINKED STITCH APP
None Linked

Operations R: 0 W: 0

100.0/s

0

Last 6 Hours

Connections 1

100 max

0

Last 6 Hours

Logical Size 0.0 B

512.0 max

0.0 B

Last 6 Hours

Enhance Your Experience

For dedicated throughput, richer metrics and enterprise security options, upgrade your cluster now!

Upgrade

✓ Get Started 2

System Status: All Good   Last Login: 77.139.250.104

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Usage This Month:$0.00 details

Connect to Cluster0

✓ Setup connection security	Choose a connection method	Connect

Choose a connection method View documentation 🗗

See methods to add data and diagnostics in the Command Line Tools shortcut from within your cluster.

Connect with the Mongo Shell
Mongo Shell with TLS/SSL support is required
›

Connect Your Application   **20**
Get a connection string and view driver connection examples
›

Connect with MongoDB Compass
Download Compass to explore, visualize, and manipulate your data
›

Go Back   Close

Get Started ②

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Cluster

Build a New Cluster

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Connect to Cluster0

✔ Setup connection security   ✔ Choose a connection method   Connect

1 **Choose your driver version**

DRIVER	VERSION
Node.js ⇕	3.0 or later ⇕

2 **Add your connection string into your application code**

Connection String Only   Full Driver Example

Click to Copy

mongodb+srv://**yovel:<password>**@cluster0-0qxqa.mongodb.net/test?re

📋 Copy

21

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

Having trouble connecting? View our troubleshooting documentation

Go Back

Close

SANDBOX

● Cluster0
Version 4.0

CONNECT

INSTANCE SI
M0 Sandbo

REGION
AWS / Irela

TYPE
Replica Set

LINKED STIT
None Linked

0.0 B

512.0 MB
max

0.0 B

nhance Your Experience
dedicated throughput, richer metrics
nterprise security options, upgrade
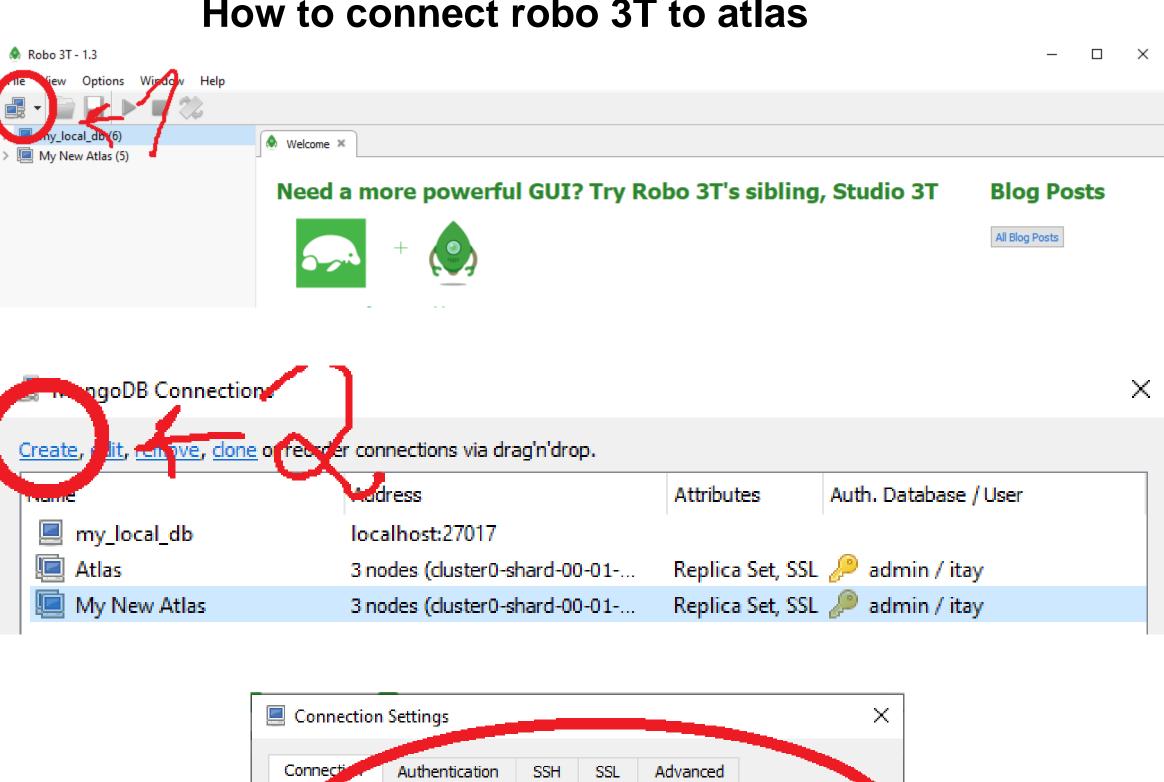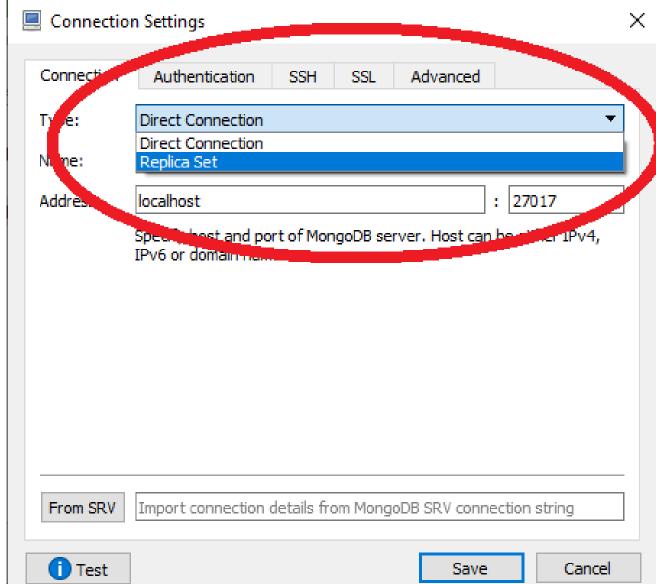your cluster now!

Upgrade

System Status:
©2019 Mongo

Paste your copied url

Remember to enter you password of the
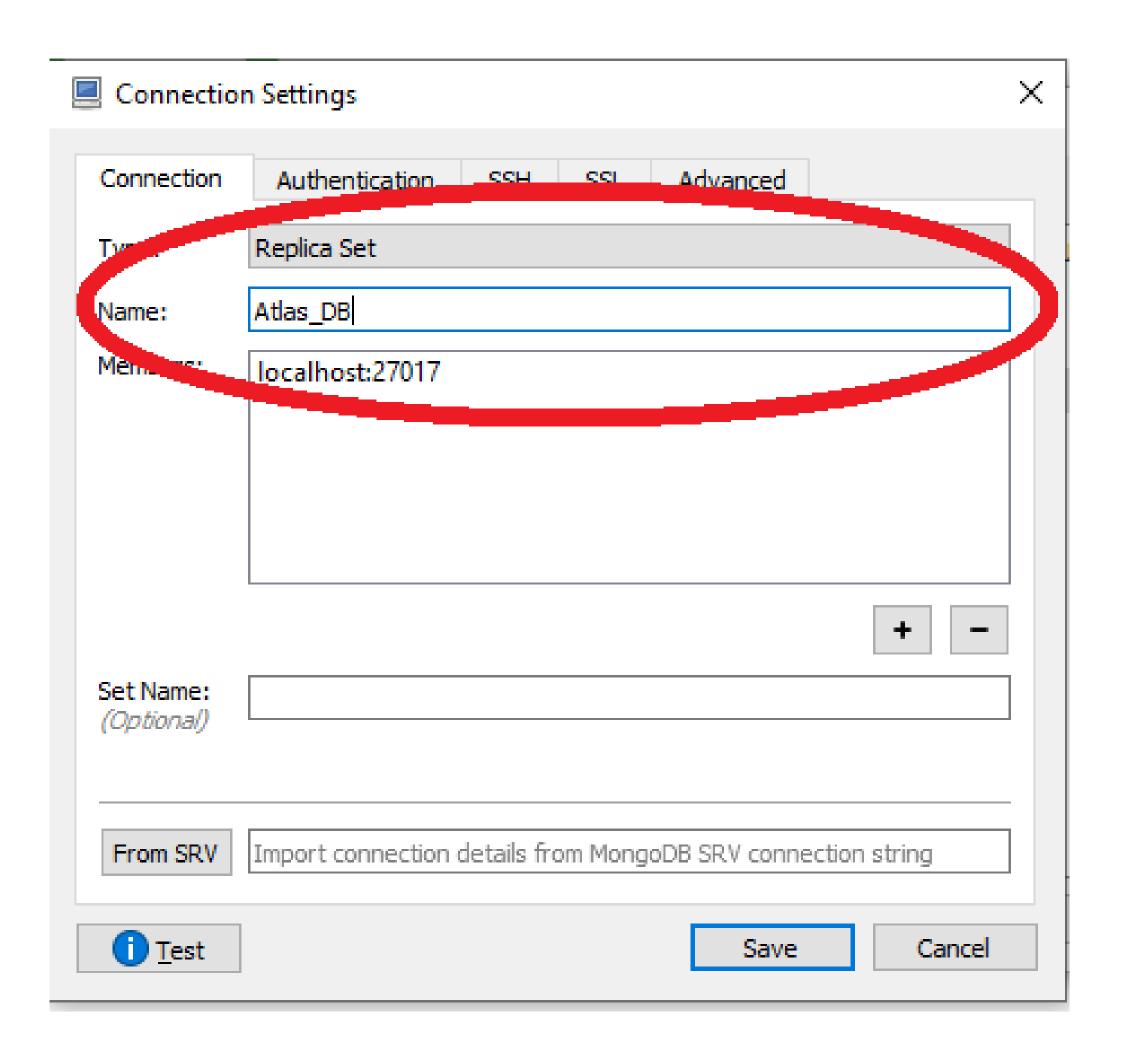# user that you entered in step !13

```
1  const MongoClient = requier('mongodb').MongoClient
22 const uri = 'mongodb+srv://yovel:<password>@cluster0-blpj2.mongodb.net/test?
   retryWrites=true&w=majority'
3  const client = new MongoClient(uri, { useNewUrlParser: true })
4  client.connect(err => {
5      console.log('connected to mongo')
6      const collection = client.db('CAR_DB').collection('car')
7      // perform actions on the collection objects
8      collection.find().toArray()
9          .then(res => console.log(res))
10     client.close()
11 });
```

How to connect robo 3T to atlas

Now we need change the name of our connection

Now we need to copy the connection string from slide 18 and paste it here
Then you need to click on the button called: From SRV
and then on the button test to see if we have a connection and then click save and you are done!