

In order to use MongoDB, we will need to create account in MongoDB Atlas (Database as a service)

What is MongoDB Atlas: It is a fully-managed cloud database developed by the same people that build **MongoDB**. **Atlas** handles all the complexity of deploying, managing, and healing your deployments on the cloud service provider of your choice (AWS, Azure, and GCP).

1. Step 1: Create an Atlas Account

Navigate to MongoDB Atlas website and Create a free account [here](#), Fill the form and Click Get Started Free

MongoDB Atlas
The Easiest Way to Run MongoDB

Deploy a MongoDB database in the cloud with just a few clicks. With best-in-class automation and proven practices that guarantee high availability, elastic scalability, and optimal performance, MongoDB Atlas is the easiest way to try out the database for free on AWS, Azure, or Google Cloud.

- Secure from the start
- Fully managed backups
- Comprehensive monitoring and customizable alerts
- Easily migrate existing deployments with minimal downtime
- Cloud-only features, like real-time triggers and global clusters

[Click here](#) to learn more about MongoDB Atlas.

Google Cloud Platform AWS Azure

Try MongoDB in the Cloud
Create a free account today

Your Work Email

First Name Last Name

Password

✓ 8 characters minimum

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

Get started free

2. Step 2: Click Create a Cluster in the left-side panel (Starter Cluster- Free)

MONGODB ATLAS

Choose a path. Adjust anytime.
Available as a fully managed service across 60+ regions on AWS, Azure, and Google Cloud

Starter Clusters
For teams learning MongoDB or developing small applications.

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

- ✓ Globally 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

3. Step 3: Choose the cloud provided for the service




For Cloud Provider & Region, select your preferred Cloud Provider. Choose the closest region to your location and have free Tier available

CLUSTERS > CREATE A STARTER CLUSTER

Create a Starter Cluster








Welcome to MongoDB Atlas! We've recommended some of our most popular options, but feel free to customize your cluster to your needs. For more information, check our [documentation](#).

Cloud Provider & Region AWS, Oregon (us-west-2) ▾



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	 Ireland (eu-west-1) ★ FREE TIER AVAILABLE	 Singapore (ap-southeast-1) ★ FREE TIER AVAILABLE
 Oregon (us-west-2) ★ FREE TIER AVAILABLE	 Frankfurt (eu-central-1) ★ FREE TIER AVAILABLE	 Mumbai (ap-south-1) FREE TIER AVAILABLE
AUSTRALIA		
 Sydney (ap-southeast-2) ★ FREE TIER AVAILABLE		

We are deploying your changes: 0 of 3 servers complete (current action: provisioning 3 servers)

SARA'S ORG - 2019-11-10 > PROJECT 0

Clusters

Find a cluster...

SANDBOX

← SFirstCluster
Version 4.0.13

CONNECT METRICS COLLECTIONS ...

CLUSTER TIER
M0 Sandbox (General)

REGION
AWS / Oregon (us-west-2)

TYPE
Replica Set - 3 nodes

LINKED STITCH APP
None Linked

Your cluster is being created
New clusters take between 7-10 minutes to provision.

Build a New Cluster

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Clusters

Find a cluster...

SANDBOX

● SFirstCluster
Version 4.0.13

CONNECT METRICS COLLECTIONS ...

CLUSTER TIER
M0 Sandbox (General)

REGION
AWS / Oregon (us-west-2)

TYPE
Replica Set - 3 nodes

LINKED STITCH APP
None Linked

Operations: R: 0 W: 0 100.0%
Last 6 Hours

Logical Size: 0.0 B 512.0 MB max
Last 6 Hours

Connections: 0 500 max
Last 6 Hours

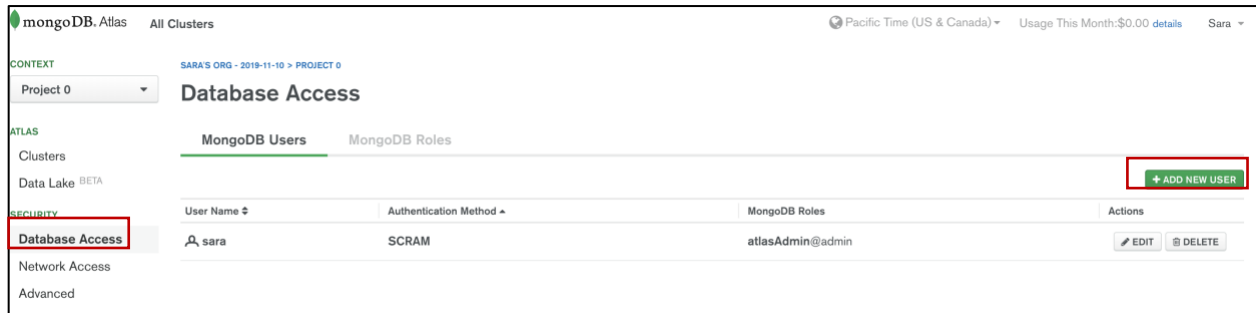
Enhance Your Experience
For dedicated throughput, richer metrics and enterprise security options, upgrade your cluster now!

Upgrade

4. Step 4: Create your first database user

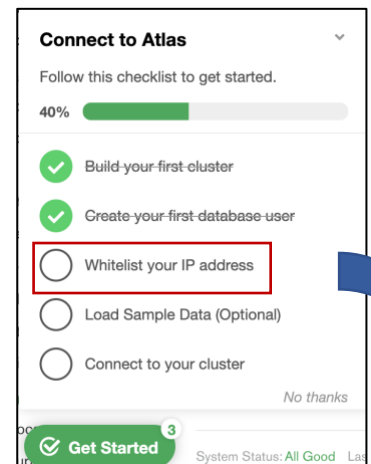
Navigate to Database Access → Add New User

Create new user, make sure to choose to be Admin. You'll use this username and password combination to access data on your cluster. So remember this Password

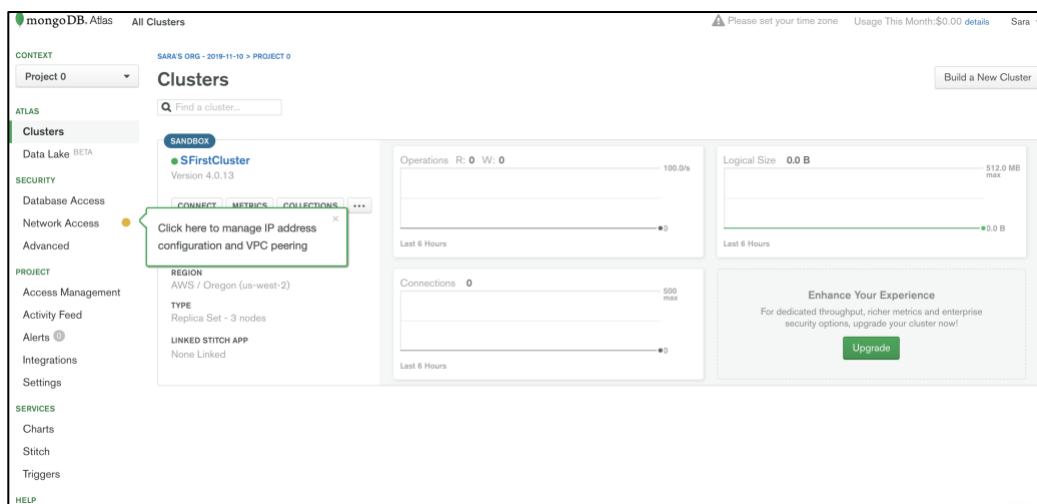


Keep following the Get Started Guide that is in the corner of your screen

Click on the next step to show you where you need to navigate next



5. Step 5: Whitelist your IP address



×

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

Whitelist Entry:

0.0.0.0/0

Comment:

Optional comment describing this entry

☐ Save as temporary whitelist

Cancel

Confirm

Skip The next step Load Sample Data (It is optional and no need to use some of the limited storage you have, You can load it later if you like to do so)

Step 6: Connect

mongoDB Atlas

All Clusters

Pacific Time (US & Canada)

Usage This Month: \$0.00 [details](#)

Sara

CONTEXT

Project 0

SARA'S ORG - 2019-11-10 > PROJECT 0

Clusters

Build a New Cluster

ATLAS

Find a cluster...

Clusters

Data Lake BETA

SECURITY

Database Access

Network Access

Advanced

PROJECT

Access Management

Activity Feed

Alerts 1

Integrations

Settings

SERVICES

Charts

Stitch

Triggers

Sample dataset successfully loaded. Access it in Data Explorer by clicking the Collections button, or with the Mongo Shell. [VIEW DATA TUTORIAL](#) ×

SFirstCluster

Version 4.0.13

CONNECT

Once your cluster is created, click here to connect

CLUSTER TIER

M0 Sandbox (General)

REGION

AWS / Oregon (us-west-2)

TYPE

Replica Set - 3 nodes

LINKED STITCH APP

None Linked

Operations R: 0 W: 0.6

0.6/s

Last 6 Hours

Logical Size 330.1 MB

\$12.0 MB max

0.0 B

Last 6 Hours

Connections 4

500 max

Last 6 Hours

Enhance Your Experience

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

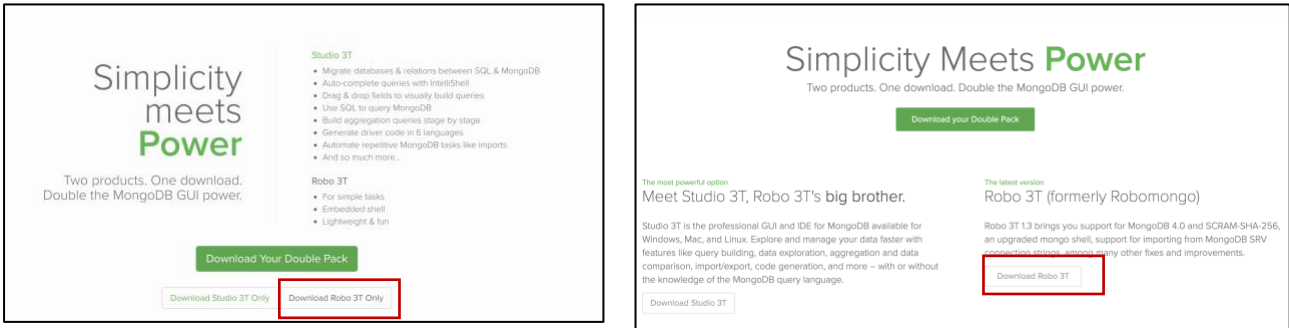
Upgrade

We will Use Robo 3T to connect to your Cluster Please follow the steps in the next few pages for Robo 3T installation and connection Setup

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Use Robo3T to connect on MongoDB Atlas

Download Robo 3T from [Here](#)



Choose the correct version for your machine Operating system, Fill up the details and Download. Phone number is optional field

The screenshot shows the Robo 3T 1.3 download form for Mac OS X. The form includes fields for Email, First name, Last name, Area code, and Phone number. It also has a 'Download for Mac' button and a 'Close' button.

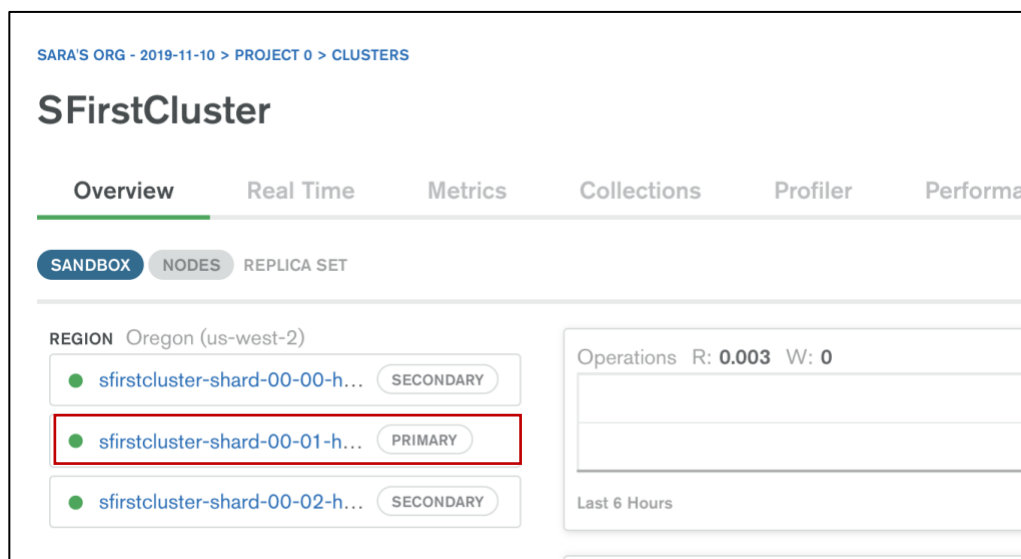
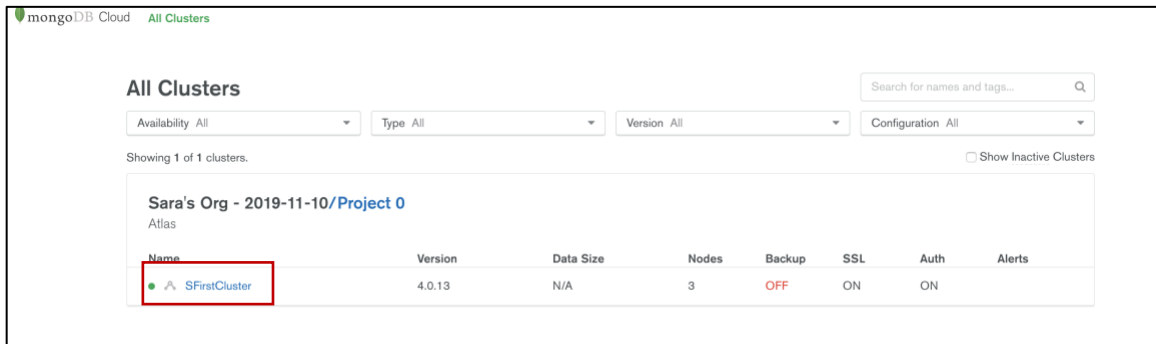
Install the Software and now you are ready to create connection

Connect Robo 3T with MogoDB Atlas

You will need the Primary node address to use it for the connection Please follow the next few steps to get your primary node

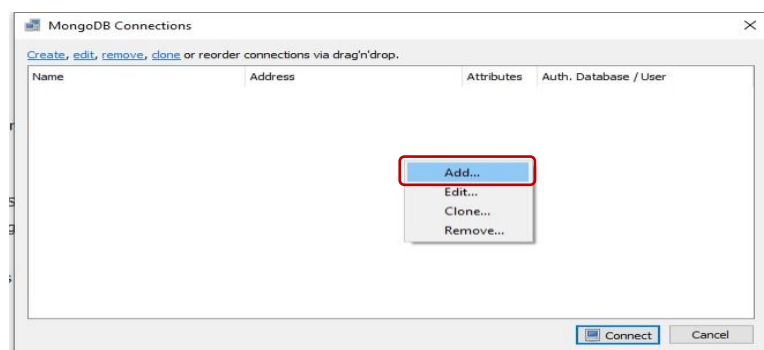
[Go Back to the Mongo Atlas website](#)

Click All Clusters→ Click on your cluster Name and then copy the Primary address



Now Go to Robo 3T

1. Choose from the menu file→Connect, then right click and choose Add



2. Setup your first DNS in your cluster

Please Note: for the Address Field Get the **Primary node address** from MongoDB Atlas Clusters information

Connection Settings

Connection Authentication SSH SSL Advanced

Type: Direct Connection

Name: mongodb-atlas

Choose any connection name that will help you to identify this connection.

Address: cluster0-shard-00-00-xxxx.mongodb.net : 27017

Specify host and port of MongoDB server. Host can be either IPv4, IPv6 or domain name.

Test Cancel Save

3. Fill in Database as "admin", Username/Password as per the user setup in MongoDB Atlas.

Connection Settings

Connection Authentication SSH SSL Advanced

☒ Perform authentication

Database: admin

The admin database is unique in MongoDB. Users with normal access to the admin database have read and write access to **all databases**.

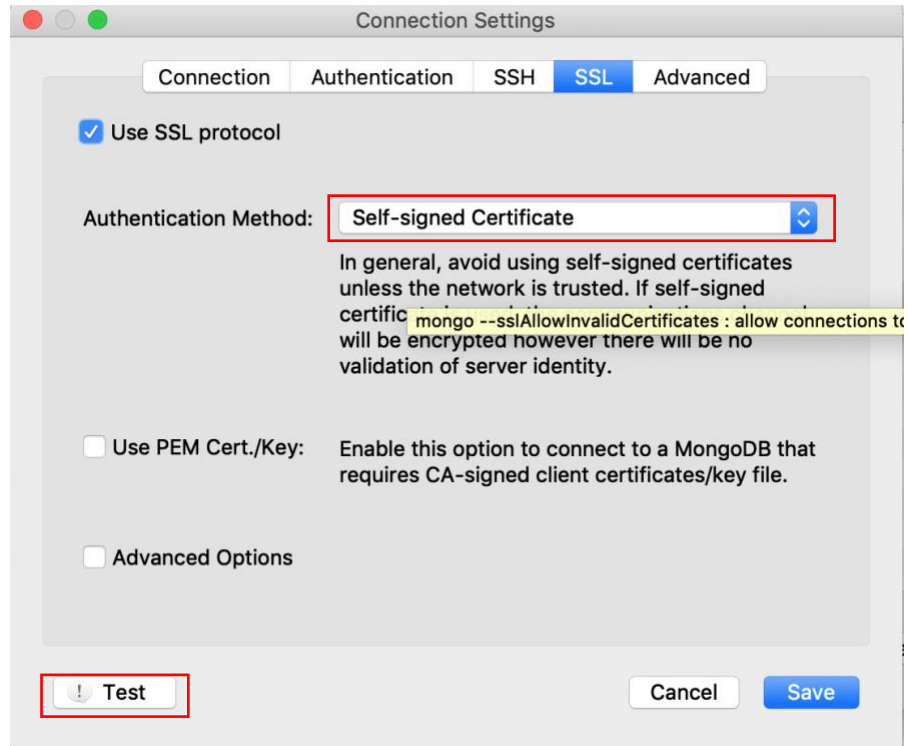
User Name: myusername

Password: [masked]

Auth Mechanism: SCRAM-SHA-1

Test Cancel Save

4. Skip SSH tab
5. Click "Use SSL protocol" then select "Self-signed Certificate" from the dropdown.



6. Click "Test" button and then "Save" and you are done!

Now you are ready to create your Database and use Mongo DB