MongoDB Atlas-Connecting to Mongo Shell

This lesson will teach you how to connect to the MongoShell, step-by-step, using the MongoDB Atlas cluster that you created.

WE'LL COVER THE FOLLOWING

Connect to a Cluster from Mongo Shell

Now that you have created a cluster, the next thing that you want to do is to connect to the newly created cluster. There are multiple ways to connect to this cluster, from either Mongo Shell or the code.

In this example, I will show you how to connect to the Atlas cluster using Mongo Shell. Before we proceed, there are a few tasks we need to do.

First Task: Installing Mongo

The first task is, of course, having Mongo installed. We have already provided you with the terminal that has the Mongo shell in it at the end of this lesson. In case you want to try it on your local machine, you can read how to do that here.

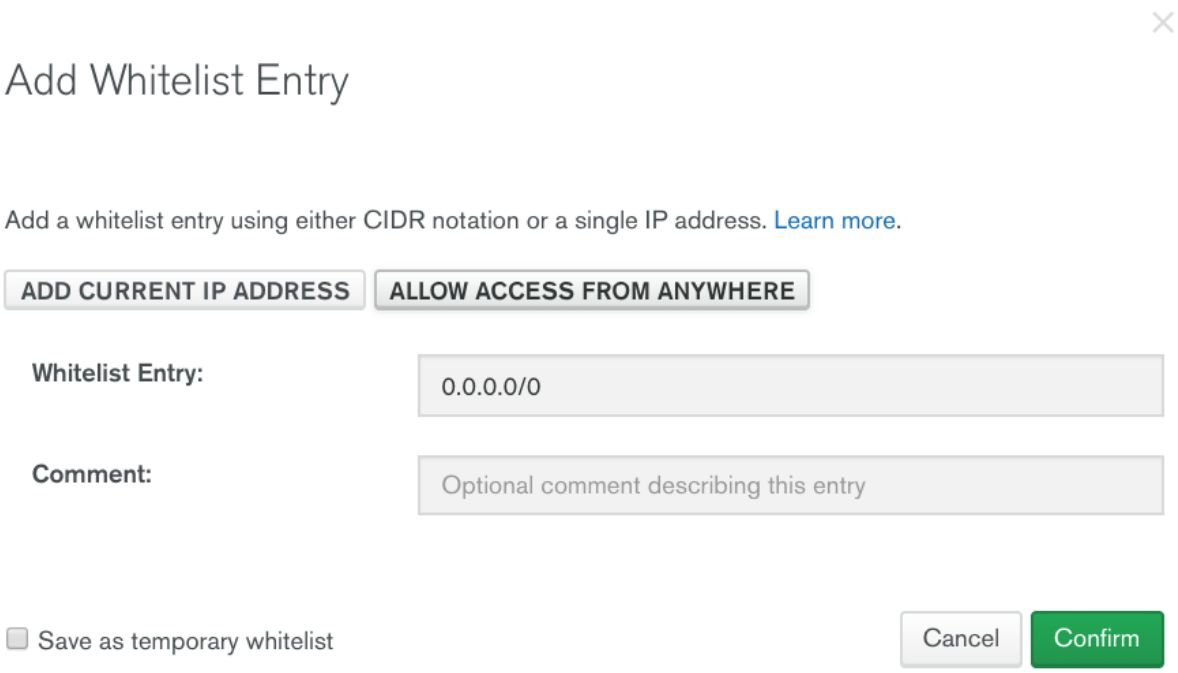
Second Task: Adding WhiteList Entry

The second task is your *IP address* added to the clusters whitelist.

This is done by clicking on *Add Current IP Address*.

> In order to use the platform's terminal, choose the "*ALLOW ACCESS FROM ANYWHERE*" option.

The following will appear if you choose "*ALLOW ACCESS FROM ANYWHERE*":



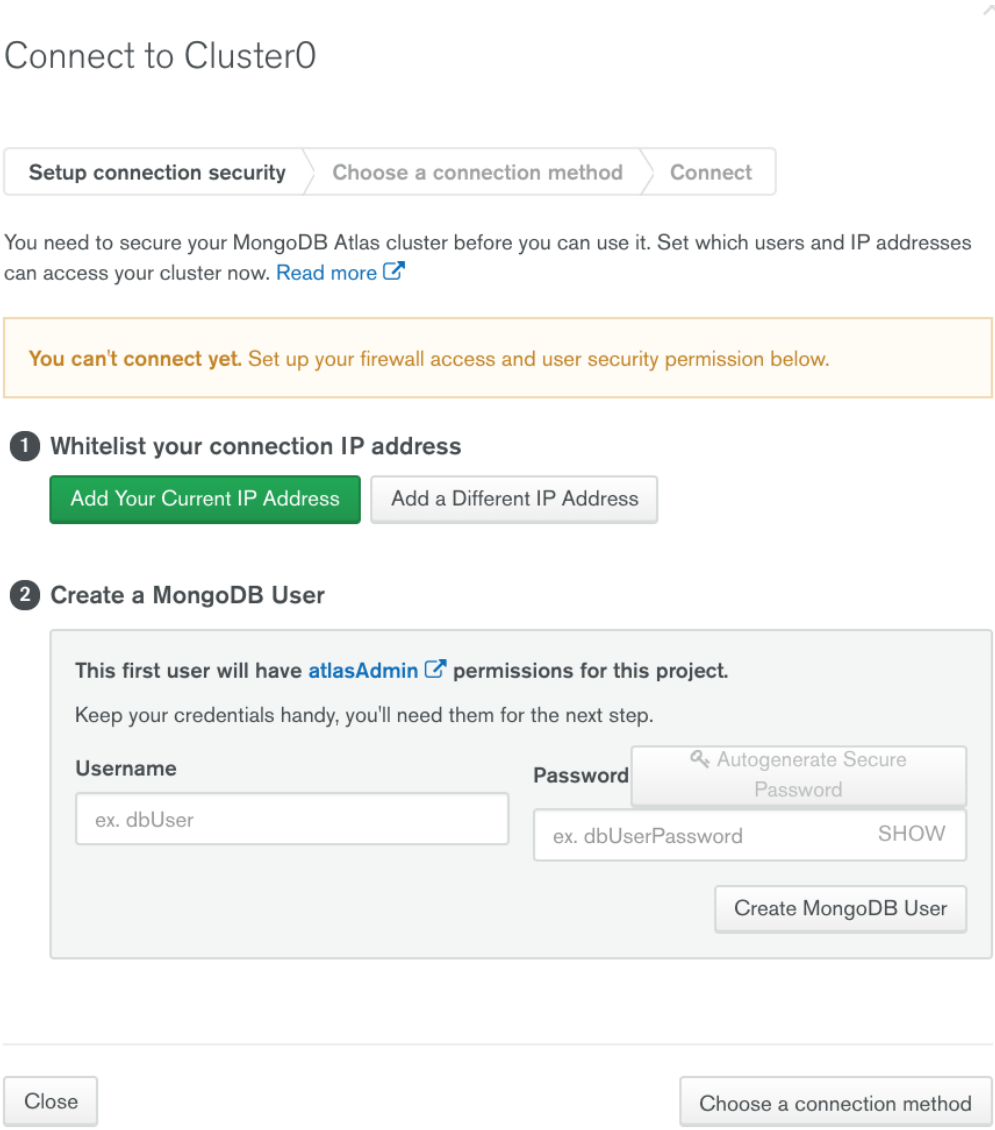
If you want to connect the shell to the cluster from a different machine, you can click Add Entry and enter the IP address of that machine.

Connect via Mongo Shell

After adding the whitelist entry:

- Click the "*CONNECT*" option available under your cluster.

You should see the following screen:

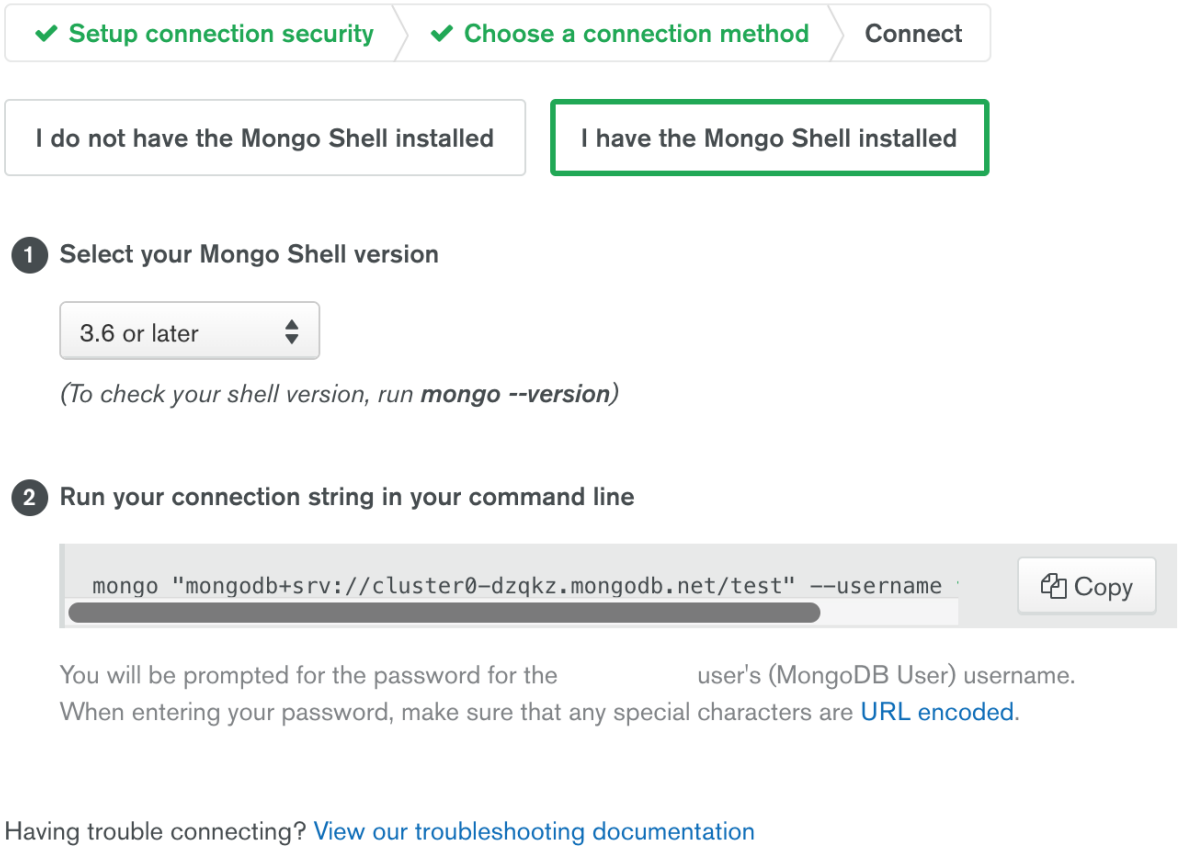


> Note: You can either add the *Whitelist* entries using the *CONNECT* option or by navigating to the *Network Access* tab, as we did above.

- First, as shown above, you will be required to create a *MongoDB User* that you will use to access the deployment.
- Next, choose *Connect with the Mongo Shell* option.

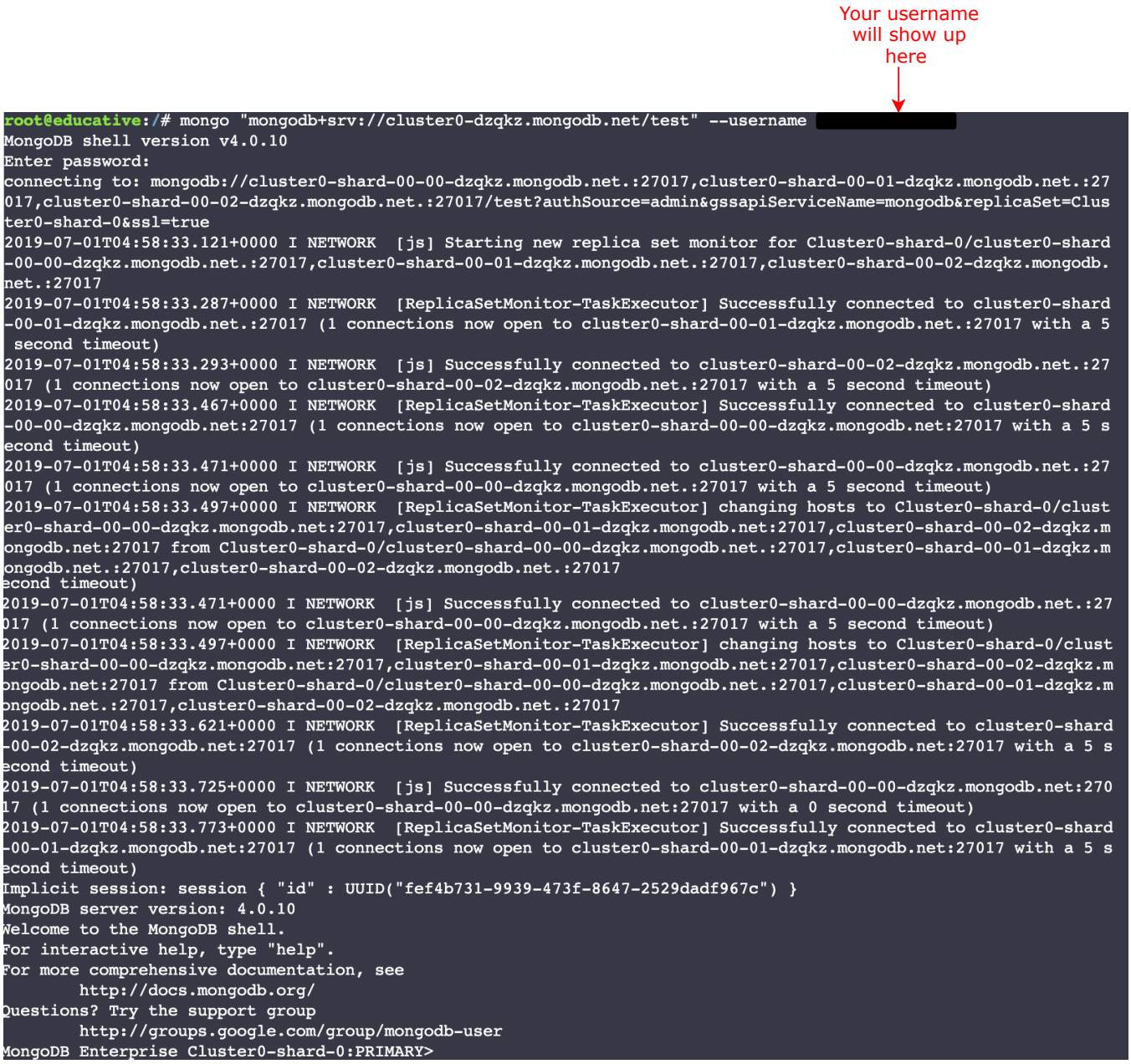
> If you're using the platform's terminal simply choose "I have the Mongo Shell installed" and then choose the version "3.6 or later" option.

There, you will be provided with a connection string that you can use to connect from the shell.



If you are confused on how to connect to the MongoDB server, check out one of my previous posts.

> Note: You have to enter the password you created when you set up the cluster.



Once you've done that, you will be able to do everything as before, like creating a database, using it, adding a collection, and adding documents to that collection.

```
use rubikscode
db.createCollection("blogs")
db.blogs.insert({"name" : "Playing with MongoDB Atlas", "category" : "NoSQL", words: 2111})
db.blogs.find().pretty();
```

> Try the commands in the terminal given below!

```
MongoDB Enterprise Cluster0-shard-0:PRIMARY> use rubikscode
switched to db rubikscode
MongoDB Enterprise Cluster0-shard-0:PRIMARY> db.createCollection("blogs")
{
        "ok" : 1,
        "operationTime" : Timestamp(1561971984, 1),
        "$clusterTime" : {
                "clusterTime" : Timestamp(1561971984, 1),
                "signature" : {
                        "hash" : BinData(0,"su6Nj/OP5viO4p0UJE5En90zbsM="),
                        "keyId" : NumberLong("6707018528546881537")
                }
        }
}
MongoDB Enterprise Cluster0-shard-0:PRIMARY> db.blogs.insert({"name" :"Playing with MongoDB Atlas", "ca
tegory" :"NoSQL", words: 2111})
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise Cluster0-shard-0:PRIMARY> db.blogs.find().pretty();
{
        "_id" : ObjectId("5d19cd88e7fa0e8589b0c618"),
        "name" : "Playing with MongoDB Atlas",
        "category" : "NoSQL",
        "words" : 2111
}
```

Implement in Terminal

Try the steps, given above, in the terminal below:

Now that you've learned how to connect to MongoShell using the cluster, let's learn how to connect to an application.