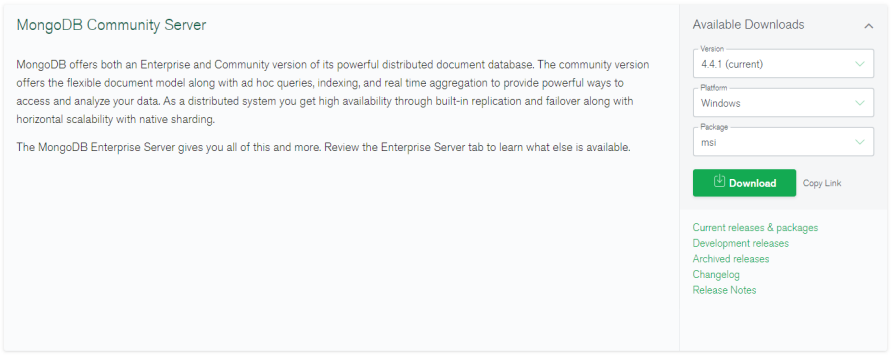
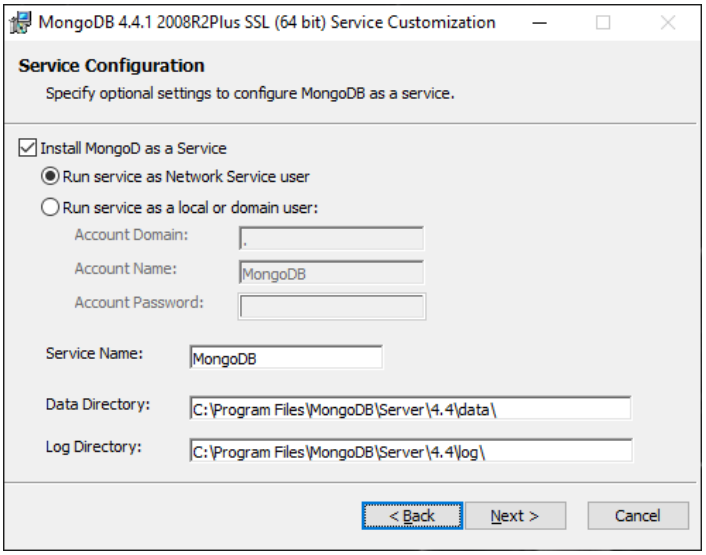
Install MongoDB and pymongo for windows:

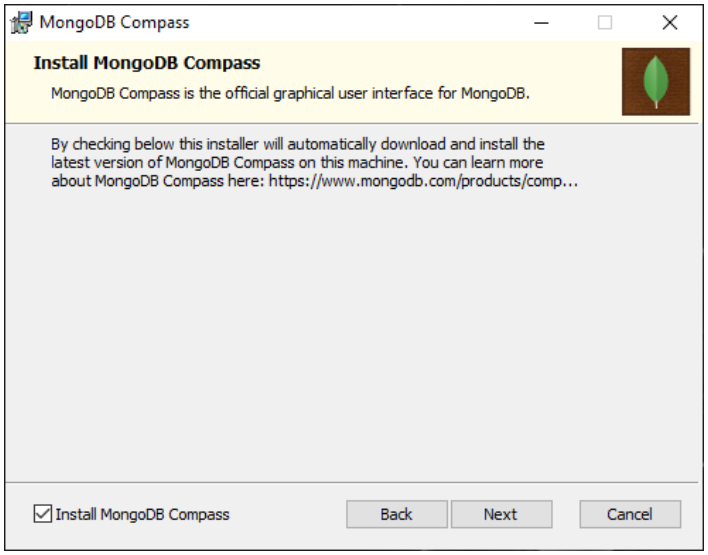
Step 1: Download and Install mongoDB Community Server

https://www.mongodb.com/try/download/community



Step 2: Go through the installation process (If you want the GUI install mongoDB Compass)

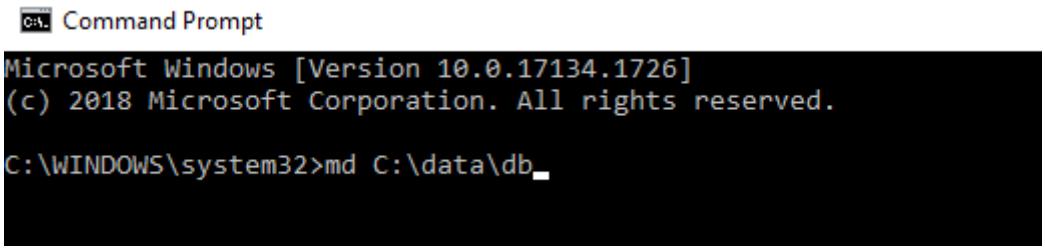




Step 3: Create a directory in your C drive called "data", and inside that create a directory called "db"

The full path of your directory should look like this: "C:\data\db".

Alternatively, you can run this command in command prompt: md C:\data\db



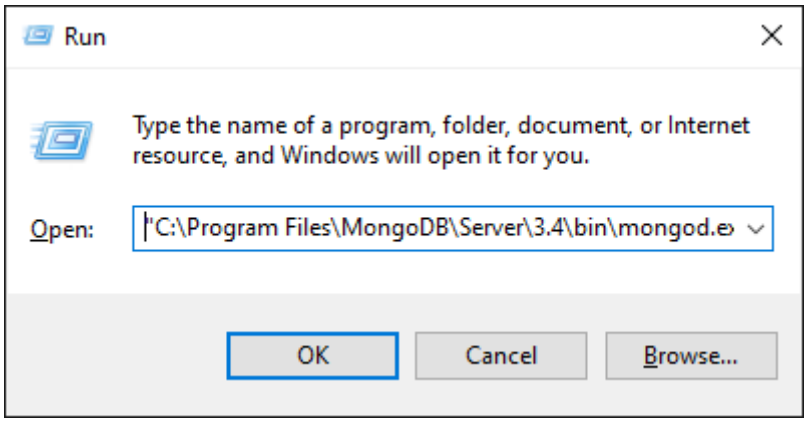
Step 4: Find your installation of mongoDB in program files and run "mongod".

By default the location is: C:\Program Files\MongoDB\Server\4.4\bin

Double click on "mongod.exe" which should run a command prompt with lots of messages.

Alternatively, you can use the "run" command and run the exe directly:

Run -> Open: "C:\Program Files\MongoDB\Server\4.4\bin\mongod.exe"

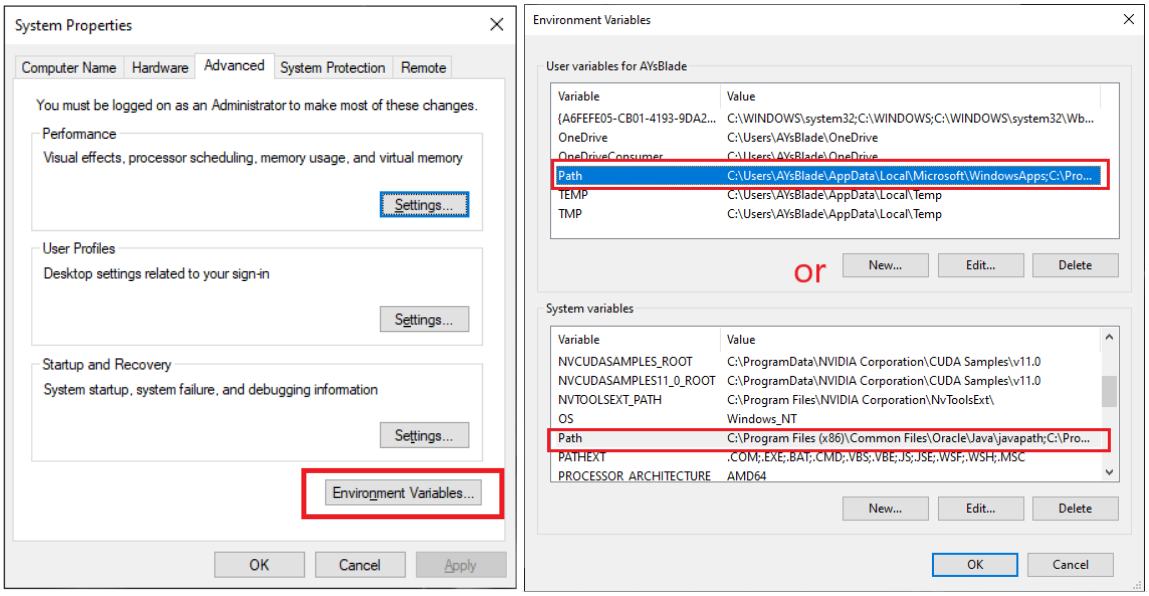


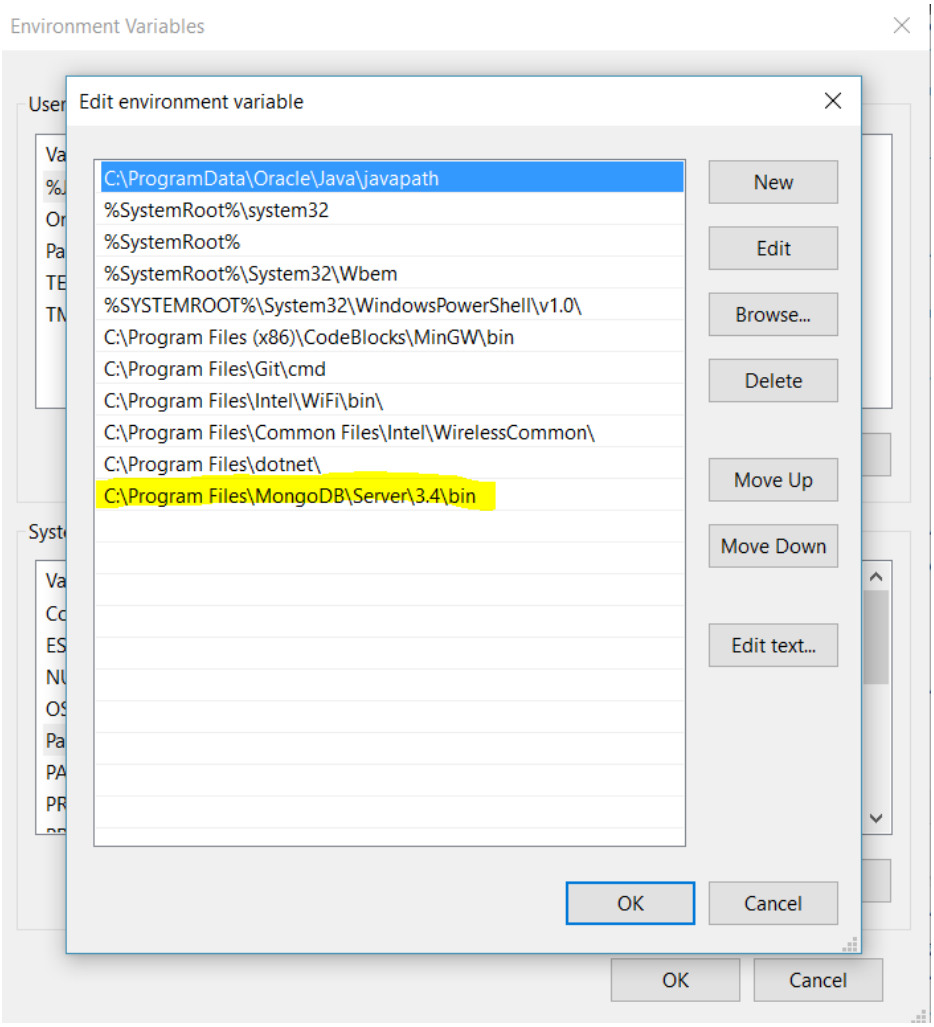
Wait till the connection message completes. You can close the command prompt for now.

Step 5: Update Environment path (This step is crucial as it allows applications to find mongoDB):

Open environment variable, simply by searching with windows search/cortana.

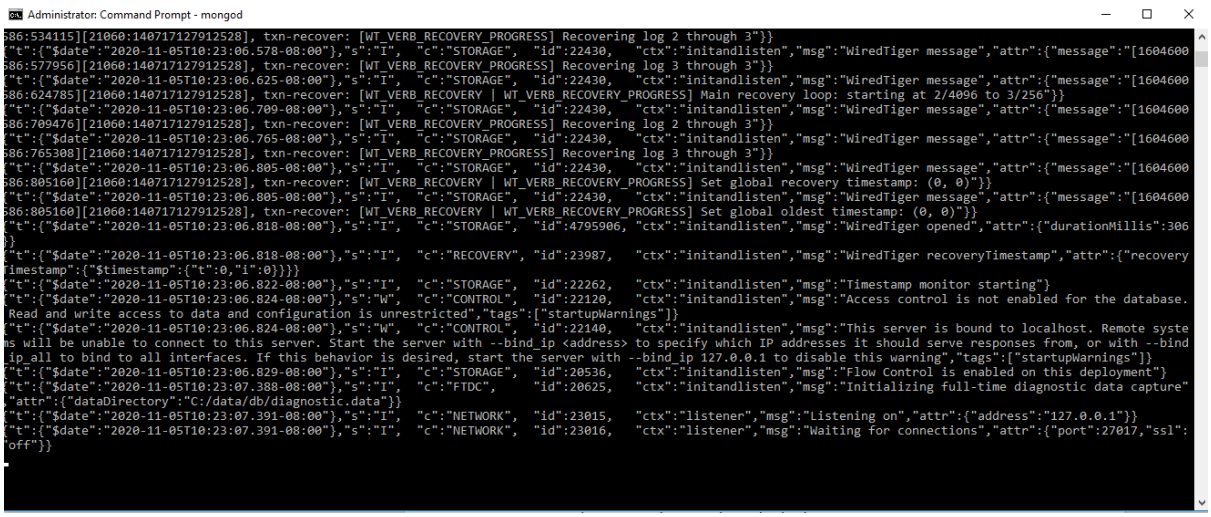
Inside environmental variables, add “C:\Program Files\MongoDB\Server\4.4\bin” to the **path** variable. (You can add it to user path or system path, choose one)





Step 6: Run mongoDB:

Run “mongod” again.



“mongod” is the mongoDB server and it has to be running for mongoDB to work. Therefore, **DO NOT CLOSE the command prompt shown above when using mongoDB.**

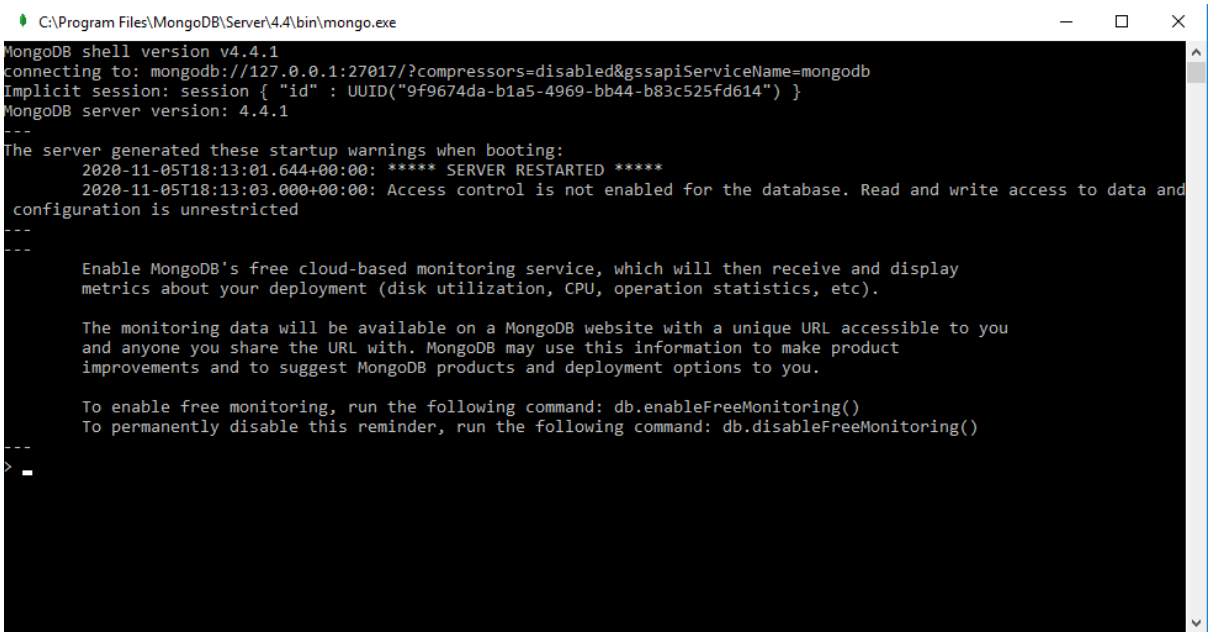
Step 7: Try to run mongoDB shell:

By default the location is: C:\Program Files\MongoDB\Server\4.4\bin

Double click on “mongo.exe” which should run a command prompt with lots of messages.

Alternatively, you can use the “run” command and run the exe directly:

Run -> Open: “C:\Program Files\MongoDB\Server\4.4\bin\mongo.exe”



You can now run mongoDB commands on here. It is easier to use pymongo, therefore we don’t really need the shell, and you can close it if you want.

Step 8: Setting up mongoDB on Python with pymongo:

Simply: pip install pymongo

If you use anaconda: conda install -c anaconda pymongo

(Remember to conda install in the correct environment when using anaconda)

Step 9: Verify Installation

Open up python/ any IDE you like/ any text editor you like.

Type the following commands:

```
1  import pymongo
2  from pymongo import MongoClient
3
4  client = MongoClient()
5
6  print(client.list_database_name())
```

Output should be the following: ['admin', 'config', 'local']

The installation is all done!

For a tutorial of how to use pymongo:

https://api.mongodb.com/python/current/tutorial.html

(Optional): you can use mongoDBCompass to quickly view your database.

Simply just open the "mongoDBCompass.exe" and press "connect". The rest is self-explanatory.