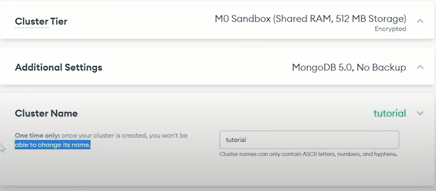
MONGODB

MongoDb intro database on cloud 🡪 <https://www.mongodb.com/basics/create-database-for-python-app?utm_campaign=python_inf_tim1&utm_source=youtube&utm_medium=influencers&utm_term=atlas>

MongoDb Cluster 🡪

<https://www.mongodb.com/basics/clusters#:~:text=A%20sharded%20cluster%20in%20MongoDB,data%20and%20high%20query%20rates>.



Cluster Tier 🡪 <https://www.mongodb.com/docs/atlas/manage-clusters/>

The cluster tier **dictates the memory, storage, and IOPS specification for each data-bearing server [1] in the cluster**.

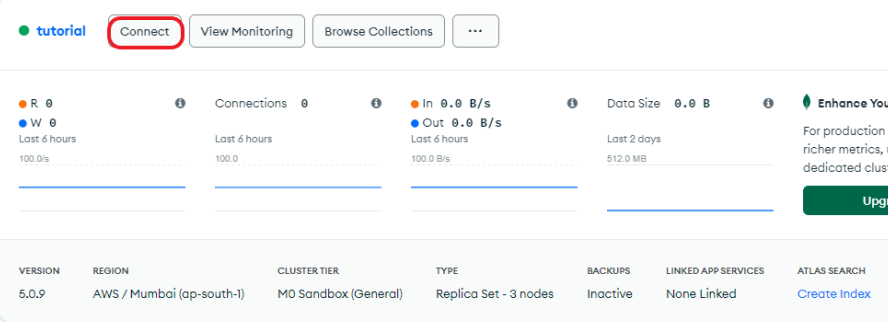
Additional Settings 🡪 <https://www.mongodb.com/docs/atlas/cluster-additional-settings/#configure-backup-options-for-the-cluster>



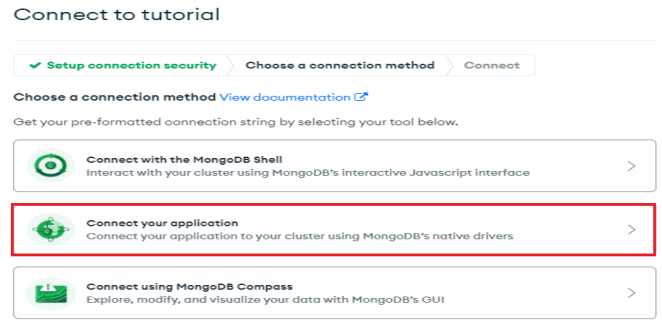
Cluster 🡪 Is an abstraction on database via which I try to say is that cluster is at higher level than database….

Type 🡪 Replica Set – 3 nodes mean we have 3 servers taking caring of my database 🡪 which in turn will provide with better scalability and redundancy in case of any server goes down or we loose some data we have that backed up in multiple places

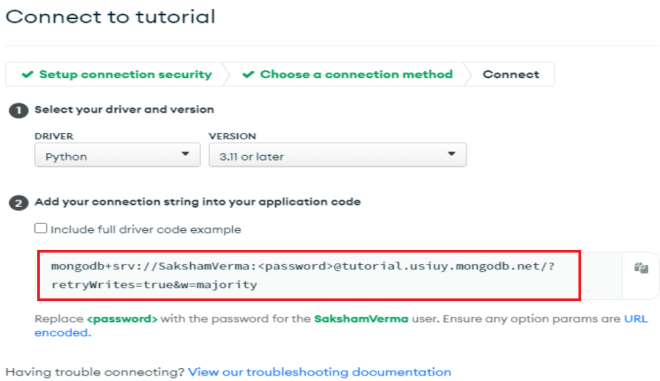
Connect to Mongo DB



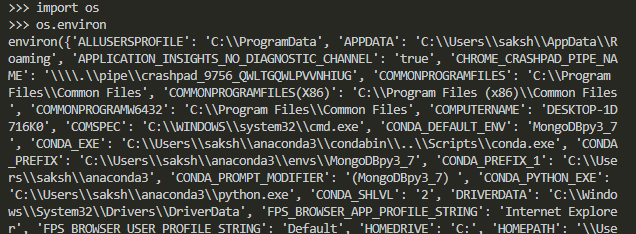
Connect to python



Select your python version then copy the string below to your code(python) to connect to your cluster or to connect to your database…



os.environ 🡪 dictionary holding all the values of environment variables as key and value pair



from dotenv import load\_dotenv,find\_dotenv

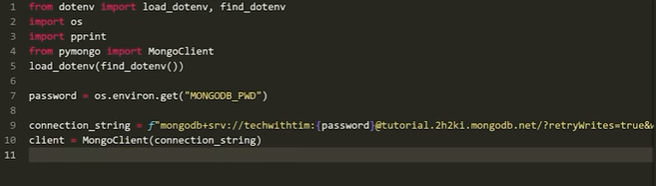
# find\_dotenv() --> gives the path to .env file

# load\_dotenv() --> Reads the key,value pair from .env and adds them to environment variable so you don't have to manually define the path and all that

load\_dotenv(find\_dotenv())

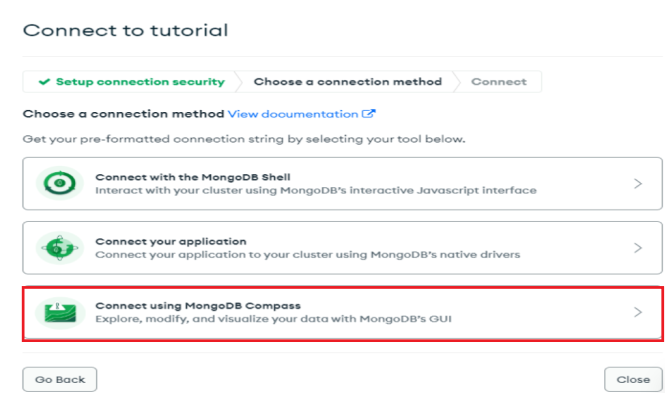


CODE TO CONNECT TO MONGODB CLUSTER

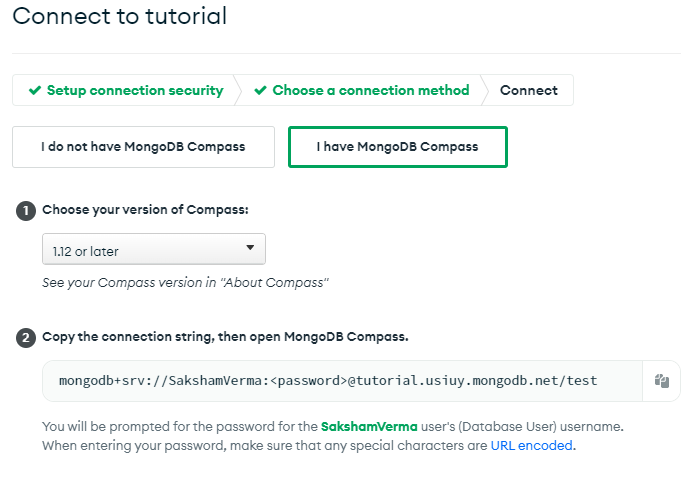


MONGODB COMPASS 🡪 Allows to actually visualise the database

* Similar to connecting MongoDb to python programmr click on connect operation adjacent to your cluster then



* Then click on I do have compass
* And then copy the connection string



IMPORTANT : Do check every time that your IP address is in that access list as IP address changes