

Mongo dB step-by-step process

1. Create authentication for any one database in MongoDB with the following command:

- `db.createUser({user:"username", pwd:"password", roles:[{role:"read",db:"db_name"}]})`

2. After, creating an authentication for the database enable the authorization in the MongoDB configuration file

In the mongod.conf file:

```
security:
  authorization: enabled ## Add two spaces starting with this line.
```

3. Then, restart the MongoDB service:

In Windows: computer management-> services & applications-> Services-> search the MongoDB server in the list and then restart.

In ubuntu: `sudo service mongod restart`.

- `sudo systemctl restart mongod`.

4. Check the authentication which we had assigned for the database using the following command:

- `mongosh --authenticationDatabase "db_name" -u "good" -p "password"`
(or)
- `mongosh --authenticationDatabase db_name --username user --password 123456`

5. It will successfully login into that authorized database. But it will not access the show collections and data. We must create authentication for the admin database.

6. Before creating an authentication for the admin database, first disable authorization in the mongod configuration file(mongod.conf) in windows. In ubuntu open the mongod configuration y using the command.

- `sudo nano /etc/mongod.conf`

7. Create authentication for the admin database by using the following command.

- `db.createUser({user: "master", pwd: "123456", roles:['root']})`

8. After the creation of authentication for the admin database enables the authorization in the MongoDB configuration file, repeat step 2.

9. Then, all databases can access the MongoDB localhost and will access to display collections, data, database creations, and collection creations.

10. Without admin data authorization access, we cannot do anything in the whole localhost MongoDB-compass, using python code also we cannot access the data without admin database authorization access.

change a bindIP address

While working on the source and target database in MongoDB through python code, we have to change the bind IP to 0.0.0.0 and set this IP in place of the localhost IP (127.0.0.1) in the MongoDB configuration file(mongod.conf)

(mine) databases credentials

Admin:

Username: boss

Password: 123456

Sai:

Username: rootUser

Password: 123456

NUC MongoDB databases credentials

Admin:

Username: master

password: 123456

A

Username: rootUser

password: 123456