Members

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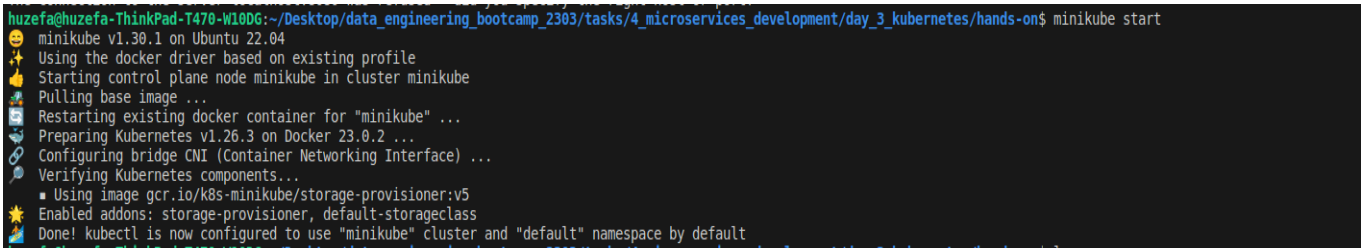
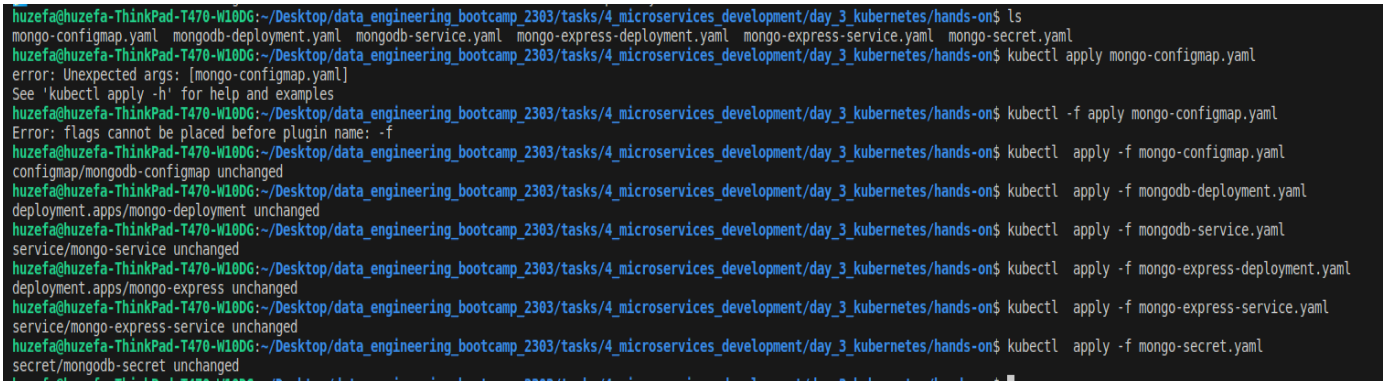
Starting minikube



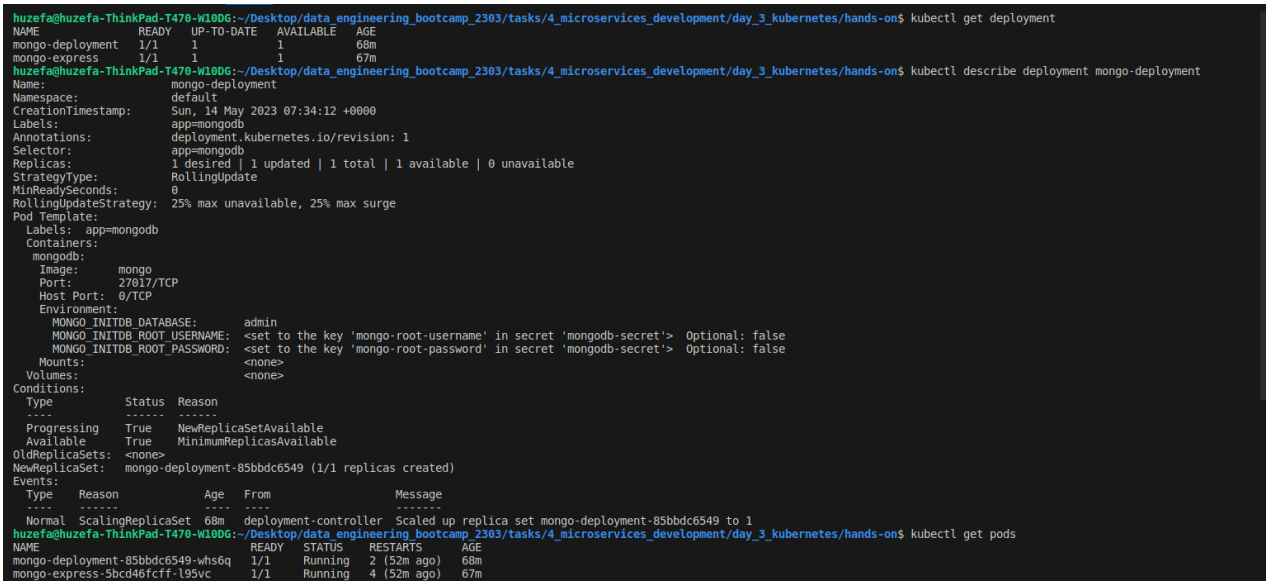
Using minikube start, one node Kubernetes cluster will be initialized with all its components.

Kubectl apply



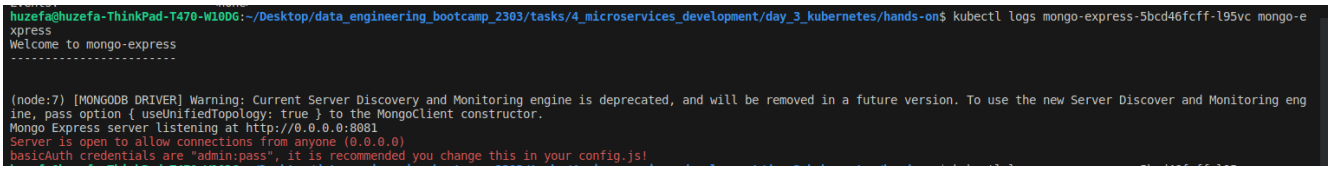
All the configuration files will now be deployed or updated in Kubernetes cluster

Kubectl describe



This will give all the detailed information of deployment, service, pod … you want to describe.
By detailed information here we mean status, volumes, and much more shown above

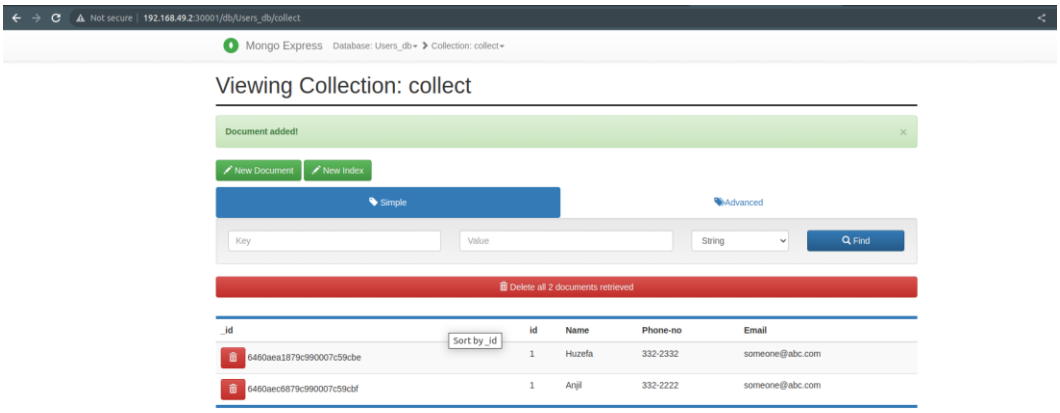
Kubectl logs



This will give us logs of the specific container within the specific pod.

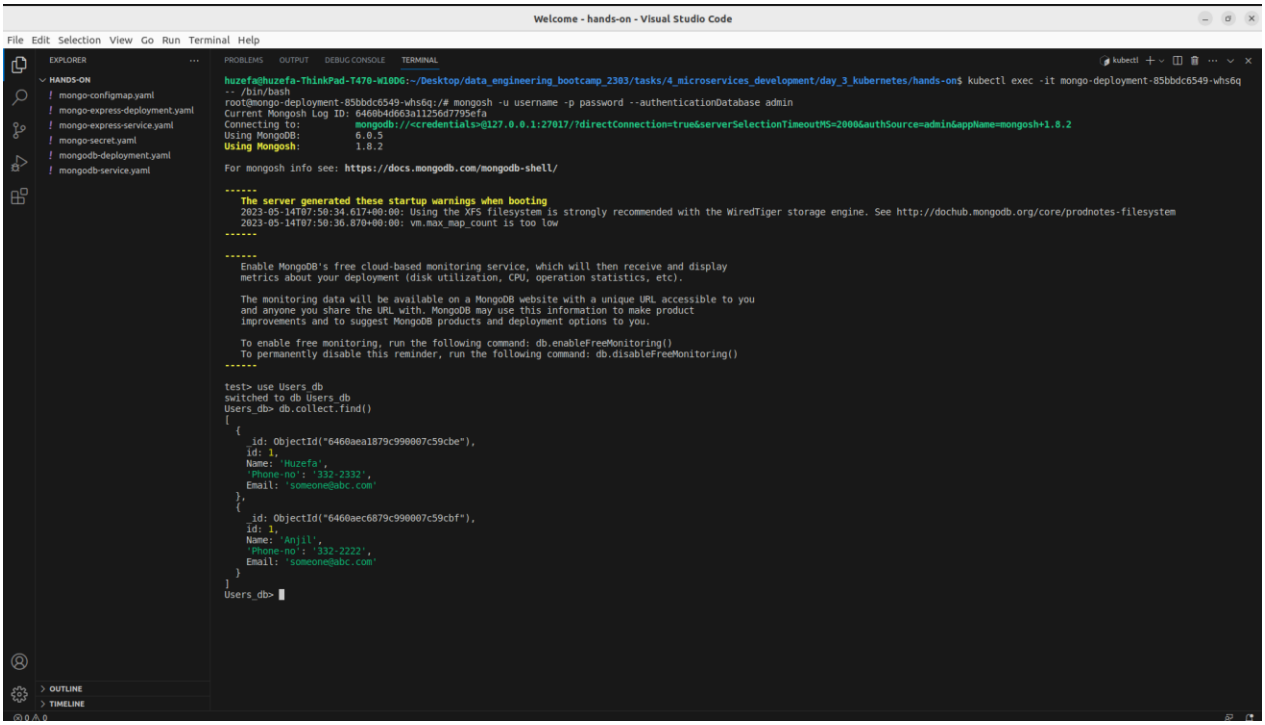
By logs here can be error messages, updates, status and more...

Adding Documents from mongo express UI



Here database is created users_db with collection name collect and with documents added show above

Showing created documents using mongosh cli



Following are some commands that were performed to show the created documents

1. kubectl exec -it mongo-deployment-85bbdc6549-whs6q -- /bin/bash: this command will take us inside the specified running container in the bash shell.

Now we are in our container in bash shell. To interact with mongo db we will use mongosh cli.

2. mongosh -u username -p password --authenticationDatabase admin: with mongosh command we are specifying the authentication username and password which was set in the delpoyment.yaml enviroment variables which is directing to our secret.yaml file. Specifying the database admin.

Now we are in Mongosh shell

3. user Users_db: command to switch from admin to User_db (the db we created with our mongo express UI).

4. db.collect.find(): will retrieve all the documents we created as shown above