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MongoDB

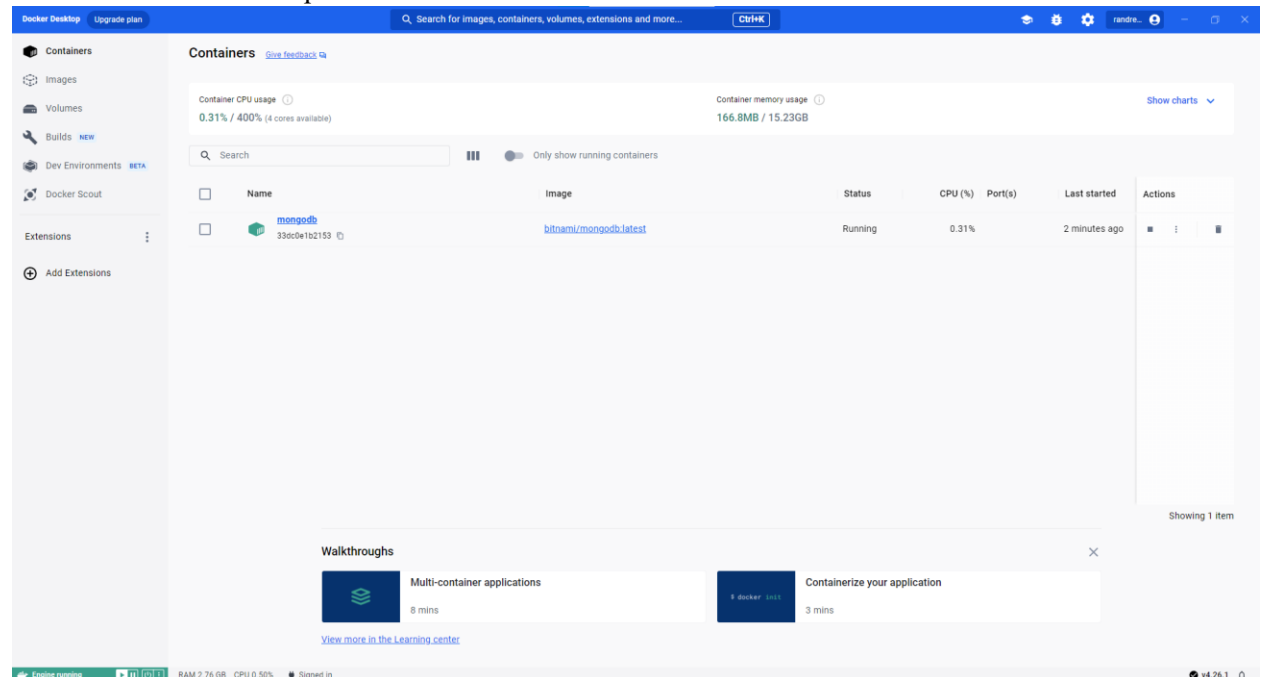
Instalación del MongoDB

```
Administrator: Command Prompt - docker run --name mongodb bitnami/mongodb:latest
Microsoft Windows [Version 10.0.19045.3930]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>docker run --name mongodb bitnami/mongodb:latest
Unable to find image 'bitnami/mongodb:latest' locally
latest: Pulling from bitnami/mongodb
33796cba2849: Pull complete
Digest: sha256:787529ae9d6b3de8e844692872dd644a594cf59388cb2dc824d793ae6c0671a6
Status: Downloaded newer image for bitnami/mongodb:latest
mongodb 04:47:41.08 INFO ==>
mongodb 04:47:41.09 INFO ==> Welcome to the Bitnami mongodb container
mongodb 04:47:41.09 INFO ==> Subscribe to project updates by watching https://github.com/bitnami/containers
mongodb 04:47:41.09 INFO ==> Submit issues and feature requests at https://github.com/bitnami/containers/issues
mongodb 04:47:41.09 INFO ==>
mongodb 04:47:41.10 INFO ==> ** Starting MongoDB setup **
mongodb 04:47:41.12 INFO ==> Validating settings in MONGODB_* env vars...
mongodb 04:47:41.19 INFO ==> Initializing MongoDB...
mongodb 04:47:41.27 INFO ==> Deploying MongoDB from scratch...
MongoNetworkError: connect ECONNREFUSED 172.17.0.2:27017
mongodb 04:47:42.52 INFO ==> Creating users...
mongodb 04:47:42.52 INFO ==> Users created
mongodb 04:47:42.53 INFO ==> Stopping MongoDB...

mongodb 04:47:43.55 INFO ==> ** MongoDB setup finished! **
mongodb 04:47:43.56 INFO ==> ** Starting MongoDB **
{"t":{"$date":"2024-01-26T04:47:43.597Z"},"s":"I", "c":"CONTROL", "id":5760901, "ctx":"main","msg":"Applied --setParameter options","attr":{"serverParameters":{"enableLocalhostAuthBypass":{"default":true,"value":true}}}}
{"t":{"$date":"2024-01-26T04:47:43.597+00:00"},"s":"I", "c":"CONTROL", "id":20698, "ctx":"main","msg":"***** SERVER RESTARTED *****"}
```

Nos muestra en Docker que existe la base de datos



Se levanto el servidor de mongodb

```
Command Prompt - node index.js

C:\Users\Alvarez\mongodb-api>
C:\Users\Alvarez\mongodb-api>cd D:\URL
C:\Users\Alvarez\mongodb-api>node index.js
(node:20584) [MONGODB DRIVER] Warning: useUrlParser is a deprecated option: useUrlParser has no effect since Node.js Driver version 4.0.0 and will be removed in the next major version
Use `node --trace-warnings ...` to show where the warning was created
(node:20584) [MONGODB DRIVER] Warning: useUnifiedTopology is a deprecated option: useUnifiedTopology has no effect since Node.js Driver version 4.0.0 and will be removed in the next major version
server is running on http://localhost:3000
```

CURD

Crear un nuevo usuario

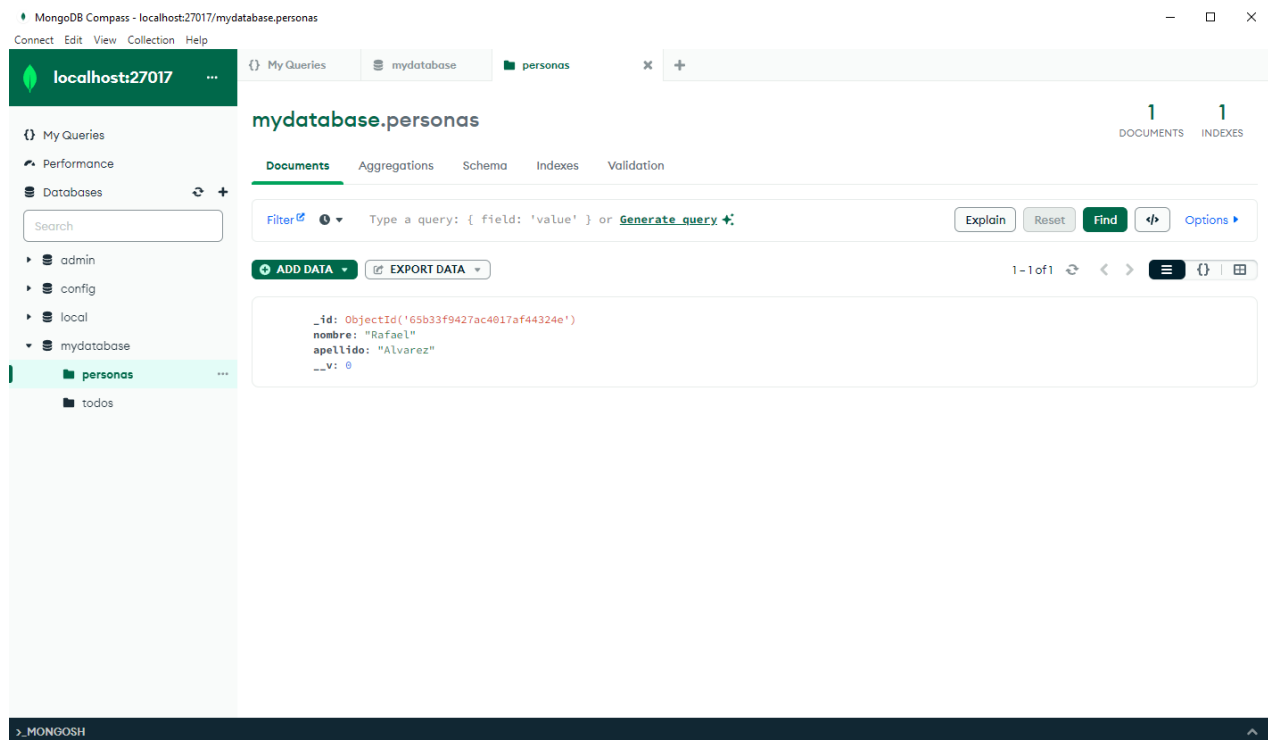
Con la siguiente línea de comandos

```
curl -X POST -H "Content-Type: application/json" -d '{"nombre":"Rafael","apellido":"Alvarez"}'
http://localhost:3000/agregarPersona
```

```
Command Prompt

</body>
</html>

C:\Users\Alvarez>curl -X POST -H "Content-Type: application/json" -d '{"nombre":"Rafael","apellido":"Alvarez"}'
http://localhost:3000/agregarPersona
{"mensaje":"Persona agregada con éxito a la base de datos"}
C:\Users\Alvarez>
```



Para obtener personas

```
C:\Users\Alvarez>curl http://localhost:3000/obtenerPersonas
[{"_id":"65b33f9427ac4017af44324e","nombre":"Rafael","apellido":"Alvarez","__v":0}]
C:\Users\Alvarez>
```

Modificar el apellido

```
C:\Users\Alvarez>curl -X PUT -H "Content-Type: application/json" -d '{"apellido":"NuevoApellido"}' http://localhost:3000/modificarPersona/Rafael
{"_id":"65b33f9427ac4017af44324e","nombre":"Rafael","apellido":"NuevoApellido","__v":0}
C:\Users\Alvarez>curl http://localhost:3000/obtenerPersonas
[{"_id":"65b33f9427ac4017af44324e","nombre":"Rafael","apellido":"NuevoApellido","__v":0}]
```

MongoDB Compass - localhost:27017/mydatabase.personas

localhost:27017

My Queries Performance Databases Search

admin config local startup_log mydatabase personas todos

mydatabase.personas

Documents Aggregations Schema Indexes Validation

Filter Type a query: { field: 'value' } or Generate query

EXPLAIN RESET FIND Options

ADD DATA EXPORT DATA

1 - 1 of 1

```
{ "_id": ObjectId("65b33f9427ac4017af44324e"),  
  "nombre": "Rafael",  
  "apellido": "NuevoApellido",  
  "__v": 0 }
```

> MONGOSH

Eliminar una persona

```
C:\Users\Alvarez>curl -X DELETE http://localhost:3000/eliminarPersona/Rafael  
{"mensaje":"Persona eliminada con éxito"}  
C:\Users\Alvarez>
```

Ya no existe dentro de la base

MongoDB Compass - localhost:27017/mydatabase.personas

localhost:27017

My Queries Performance Databases Search

admin config local startup_log mydatabase personas todos

mydatabase.personas

Documents Aggregations Schema Indexes Validation

Filter Type a query: { field: 'value' } or Generate query

EXPLAIN RESET FIND Options

ADD DATA EXPORT DATA

0 - 0 of 0

This collection has no data

It only takes a few seconds to import data from a JSON or CSV file.

Import Data

> MONGOSH