

Instalación de imagen docker MongoDB

Imagen: https://hub.docker.com/_/mongo

Pasos:

1. docker pull mongo
2. docker run --name server-mongo -d -p 27017:27017 mongo

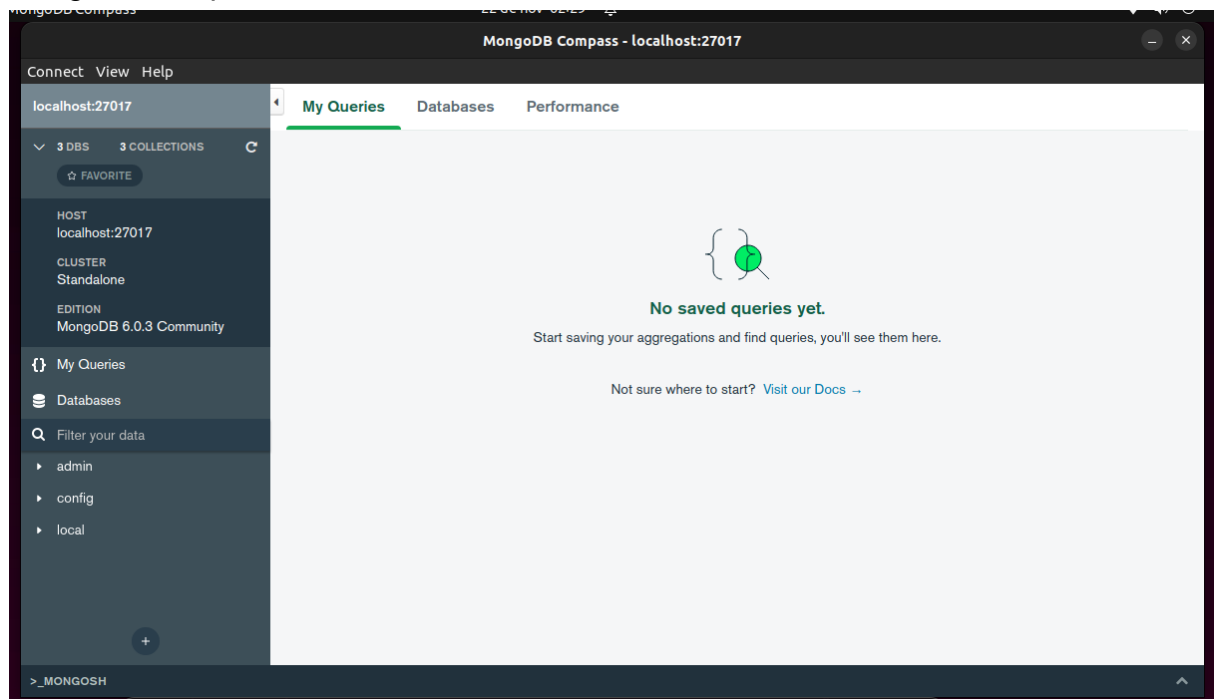
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
e209f77fa183e	mongo	"docker-entrypoint.s..."	42 seconds ago	Up 34 seconds	0.0.0.0:27017->27017/tcp, :::27017->27017/tcp	server-mongo

Instalación de Compass

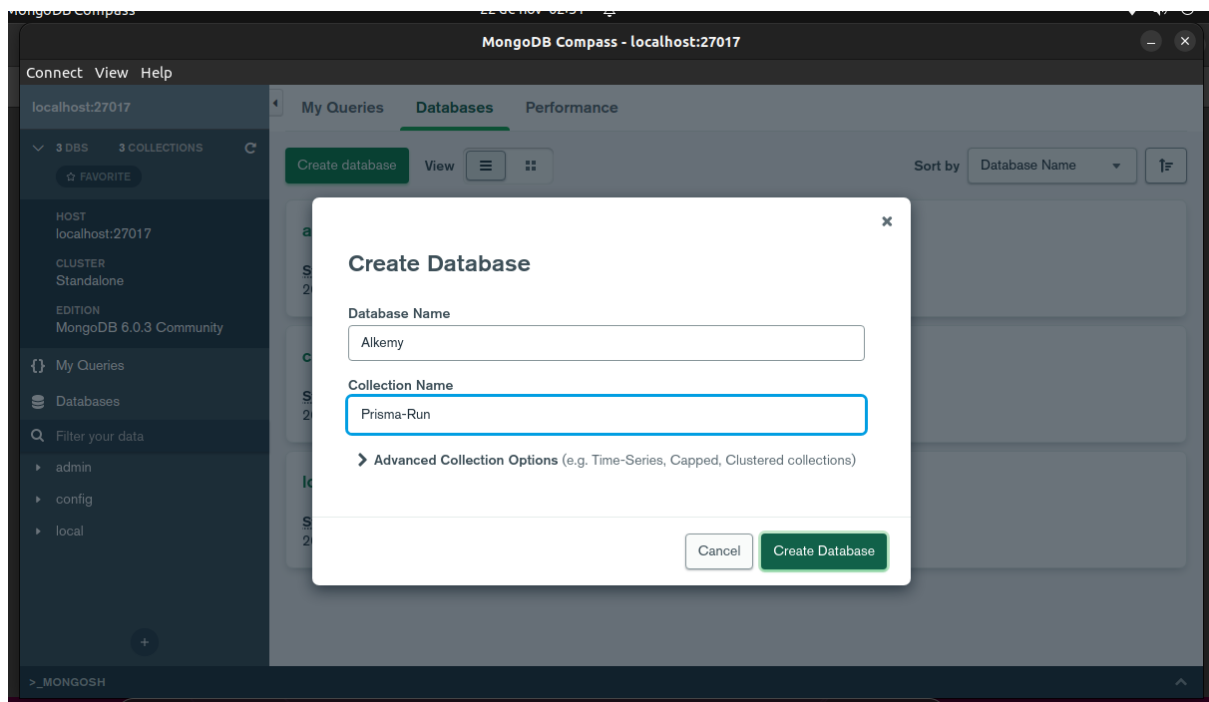
Fuente: <https://www.mongodb.com/docs/compass/current/install>

Pasos:

1. wget
https://downloads.mongodb.com/compass/mongodb-compass_1.33.1_amd64.deb
2. sudo dpkg -i mongodb-compass_1.33.1_amd64.deb
3. mongodb-compass



Acceder desde compass y crear una base de datos



Acceder a MongoDB desde Terminal

Pasos:

1. `docker exec -it server-mongo mongosh`

```
root@cris:/home/cris# docker exec -it server-mongo mongosh
Current Mongosh Log ID: 637c5c4be6a6fd21468d1b3e
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.6.0
Using MongoDB:      6.0.3
Using Mongosh:      1.6.0

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

-----
The server generated these startup warnings when booting
2022-11-22T05:19:31.822+00:00: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem
2022-11-22T05:19:33.847+00:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2022-11-22T05:19:33.847+00:00: vm.max_map_count is too low
-----

Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
```

Acceder a la base de datos MongoDB desde Terminal

Pasos:

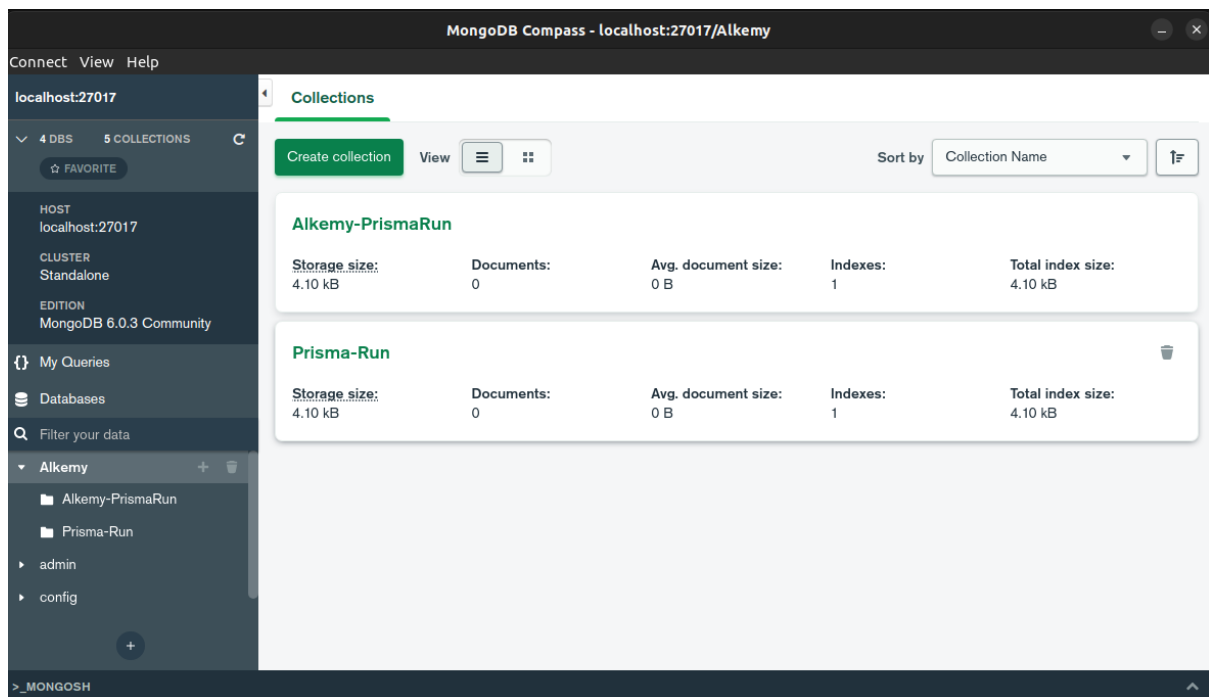
1. show dbs (Obtenemos el nombre de todas las db existentes)

```
test> show dbs
Alkemy 8.00 KiB
admin 40.00 KiB
config 108.00 KiB
local 40.00 KiB
test>
```

2. use Alkemy (DB que deseamos usar)

```
test> use Alkemy
switched to db Alkemy
Alkemy>
```

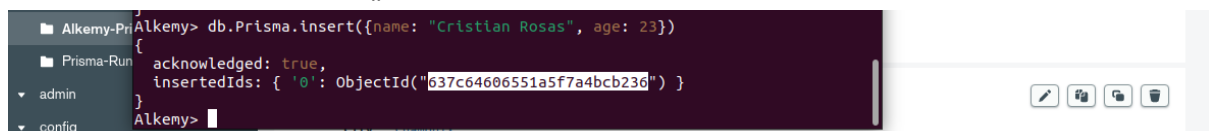
Crear dos colecciones de datos



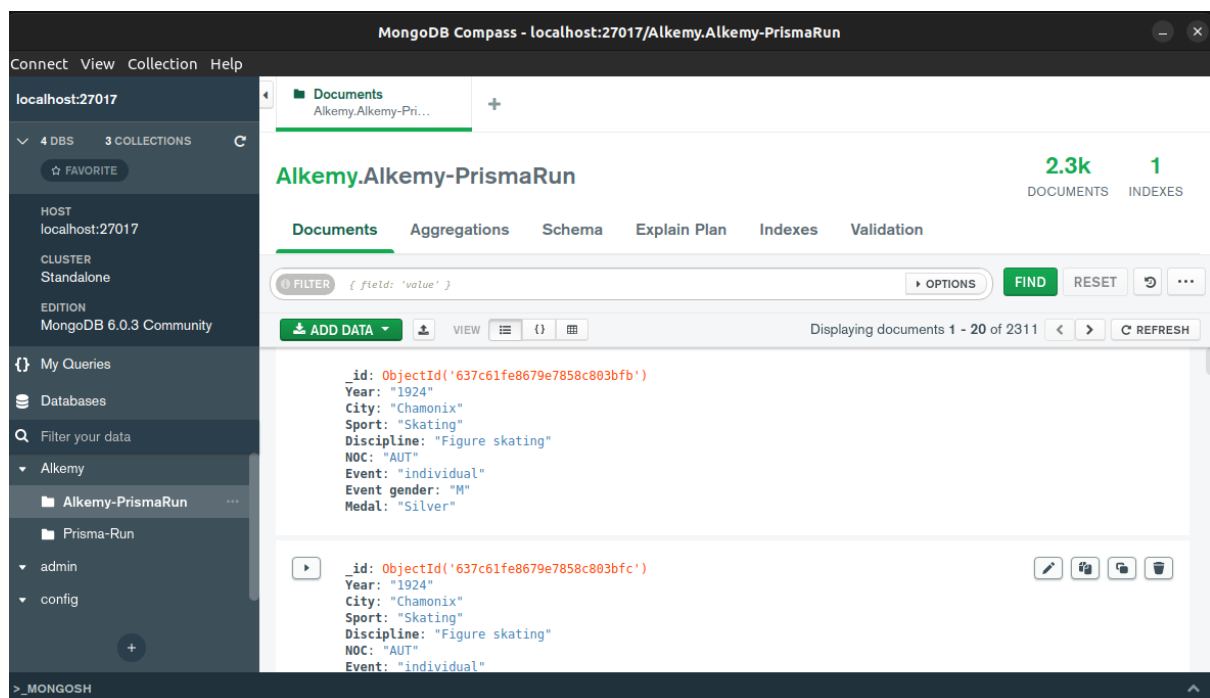
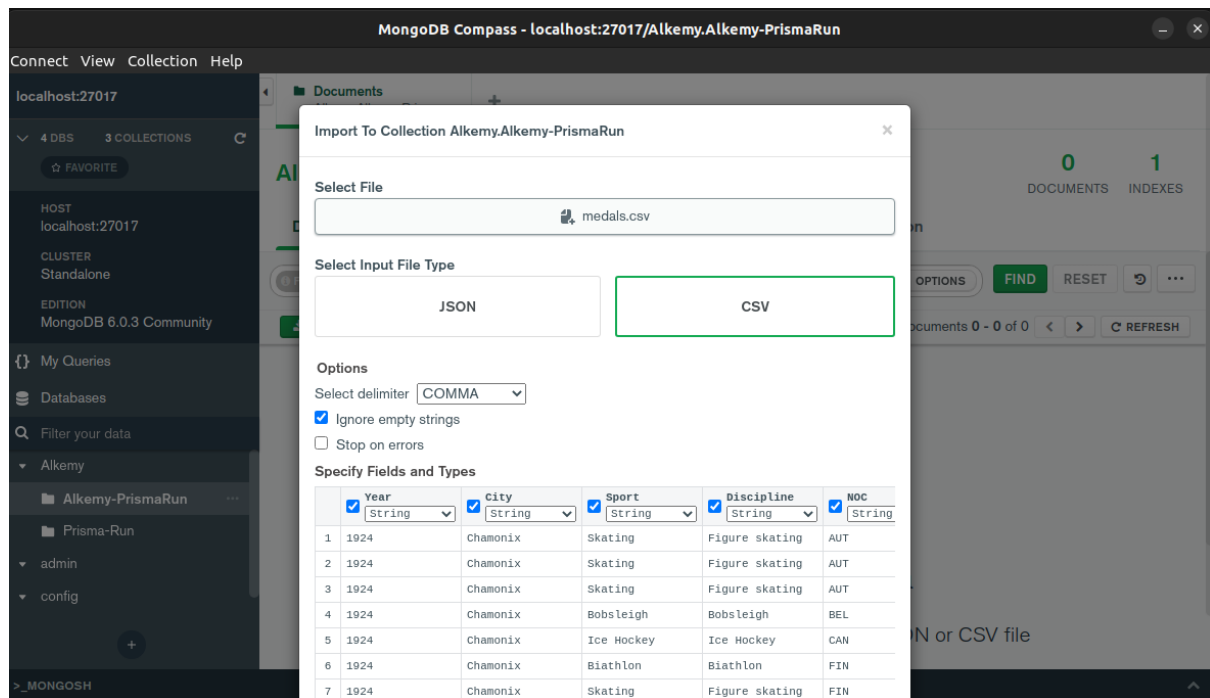
Insertar 1 documento

Pasos:

1. db.coleccion.insert()



Insertar varios documentos



Listar los documentos existentes en una colección

```
Alkemy> db.PrismaRun.find()
[
  {
    _id: ObjectId("637c63dc6551a5f7a4bcb235"),
    name: 'Cristian Rosas',
    age: 23
  },
  {
    _id: ObjectId("637c65b96551a5f7a4bcb237"),
    name: 'Eliana Dominguez',
    age: 22
  }
]
```

Listar un documento específico dentro de la colección

```
Alkemy> db.PrismaRun.find({name:"Eliana Dominguez"})
[
  {
    _id: ObjectId("637c65b96551a5f7a4bcb237"),
    name: 'Eliana Dominguez',
    age: 22
  }
]
```

Realizar un update en un registro

Antes:

```
Alkemy> db.PrismaRun.find({name:"Eliana"})
[
  {
    _id: ObjectId("637c65b96551a5f7a4bcb237"),
    name: 'Eliana',
    age: 22
  }
]
Alkemy> █
```

Después:

```
Alkemy> db.PrismaRun.update({name: "Eliana"}, {$set:{name: "Eliana Dominguez"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Alkemy> █
```

Realizar un update a varios registros de forma simultánea

Antes:

```
[
  {
    _id: ObjectId("637c65b96551a5f7a4bcb237"),
    name: 'Eliana Dominguez',
    age: 22
  },
  {
    _id: ObjectId("637c68396551a5f7a4bcb238"),
    name: 'Eliana1',
    age: 22
  },
  {
    _id: ObjectId("637c68456551a5f7a4bcb239"),
    name: 'Eliana1',
    age: 23
  },
  {
    _id: ObjectId("637c684c6551a5f7a4bcb23a"),
    name: 'Eliana1',
    age: 24
  }
]
Alkemy>
```

Después:

```
Alkemy> db.PrismaRun.update({name:"Eliana1"}, {$set:{name: "Modificado todo"}},{
multi: true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 3,
  modifiedCount: 3,
  upsertedCount: 0
}
Alkemy>
```

```
{
  _id: ObjectId("637c68396551a5f7a4bcb238"),
  name: 'Modificado todo',
  age: 22
},
{
  _id: ObjectId("637c68456551a5f7a4bcb239"),
  name: 'Modificado todo',
  age: 23
},
{
  _id: ObjectId("637c684c6551a5f7a4bcb23a"),
  name: 'Modificado todo',
  age: 24
}
]
Alkemy> 
```