

Installation

Mag. Thomas Griesmayer

MongoDB Server

- MongoDB Server is the core database engine that runs in the background and manages data storage, retrieval, and processing in a MongoDB system.
- It handles client requests, executes database operations, and maintains data consistency.

```
$ docker pull mongodb/mongodb-community-server:latest
```

```
$ mkdir mongodb_data
```

```
$ chmod 777 mongodb_data
```

```
$ docker run -d -p 27017:27017
```

```
    -v /home/thomas/mongodb_data:/mongodb_data
```

```
    --name mongodb mongodb/mongodb-community-server:latest
```

```
ec925dca77603c9332b39a24e4cf78a813b306d07f1adf97e51e91007b627942
```

```
$ docker ps
```

CONTAINER ID	IMAGE	STATUS	PORTS	NAMES
ec925dca7760	mongodb	Up 5 Sec	0.0.0.0:27017->27017/tcp	mongodb

MongoDB Shell

- MongoDB Shell (mongosh) is an interactive command-line interface (CLI) for MongoDB that allows users to connect to a MongoDB server, execute database operations, and interact with the database.

```
$ docker exec -it mongodb /bin/bash
mongodb@ec925dca7760:/$ mongosh --port 27017
Connecting to:                  mongodb://127.0.0.1:27017/
test> show dbs
admin      40.00 KiB
config     12.00 KiB
local      40.00 KiB
test> exit
mongodb@ec925dca7760:/$ exit
exit
$
```

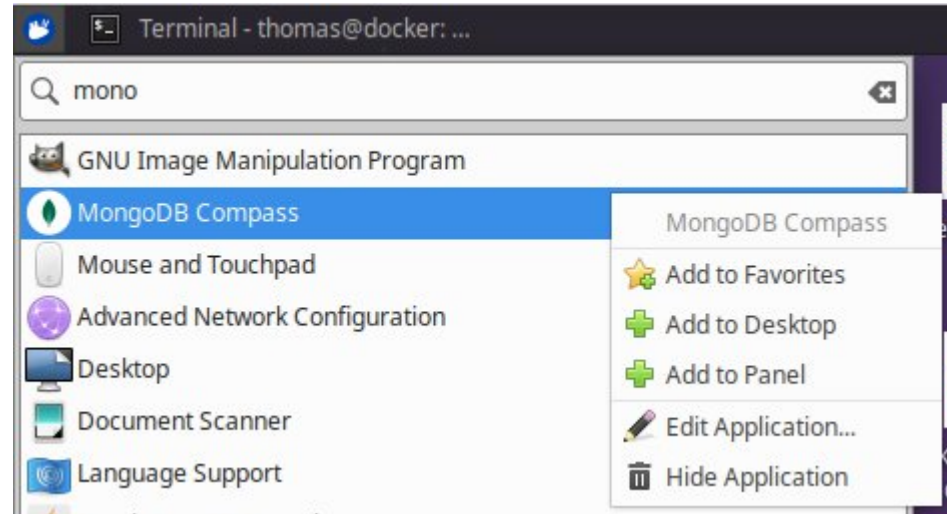
MongoDB Compass

- MongoDB Compass is a GUI (Graphical User Interface) tool for MongoDB that allows users to visually interact with their databases.
- It provides a user-friendly way to explore, query, and manage MongoDB data without using the command line.

<https://www.mongodb.com/try/download/compass>

Version
1.45.2 (Stable)
Platform
Ubuntu 64-bit (16.04+)
Package
deb

```
$ cd Downloads
$ sudo apt install
  ./mongodb-compass_1.45.2_amd64.deb
```



MongoDB Compass

0.0.0.0:27017

Manage your connection settings

URI ⓘ Edit Connection String ☒

mongodb://localhost:27017/

Name

docker_mongodb

Color

No Color ▾

☐ **Favorite this connection**
Favoriting a connection will pin it to the top of your list of connections

> Advanced Connection Options

Cancel

Save

Connect

Save & Connect

How do I find my connection string in Atlas?
If you have an Atlas cluster, go to the Cluster view. Click the 'Connect' button for the cluster to which you wish to connect.
[See example](#)

How do I format my connection string?
[See example](#)

