

MongoDB Compass Ubuntu Installation: 5 Easy Steps

MongoDB is a document-oriented NoSQL database used to store large amounts of data. Instead of using tables with rows and columns present in the Relational Databases traditionally, MongoDB uses a collection of documents. Documents consist of key-value pairs, which are the basic units of data in MongoDB. The collection contains a set of documents and functions that correspond to the tables in a relational database. MongoDB Compass is a tool to manage MongoDB and can be installed on various OS. MongoDB Compass Ubuntu is related to the installation of tools on ubuntu.

Ubuntu is the most popular Linux-based operating system. It is known for its ease of use. Ubuntu provides features such as security, app support and lastly being open-source, it is free to use.

To Be able to handle all these functionalities of MongoDB can be handled using Mongo Shell and MongoDB Compass. In this article, we will talk in detail about the MongoDB compass and the steps for MongoDB Compass Ubuntu Installation.

What is MongoDB Compass?

MongoDB compass is nothing but a graphical user interface that can be connected to the MongoDB database and used to find, analyze, modify, and visualize the data stored in the database without requiring any knowledge of queries.

MongoDB acts as an alternative to Mongo Shell. Mongo Shell can also perform all the aforementioned tasks but requires a lot of technical expertise. MongoDB is GUI-based whereas Shell is more technicality based i.e it uses specific commands and queries. MongoDB Compass is present in the Github repo since it is an open-source tool.

Benefits of MongoDB Compass:

- All the data stored in the database can be visualized and explored.
- Data stored in the database can be modified, created, updated, or deleted.
- Shows the Server Statistics in Real-time.
- The Visual representations clearly depict the performance issues and recommend plans.
- All the indexes can be managed.
- JSON schema validation rules can be used to validate data.
- A wide range of plugins is available.

MongoDB Compass is a very powerful tool and all of its features are free as the full version is open source and available on GitHub. It makes use of MongoDB easier to Use as well.

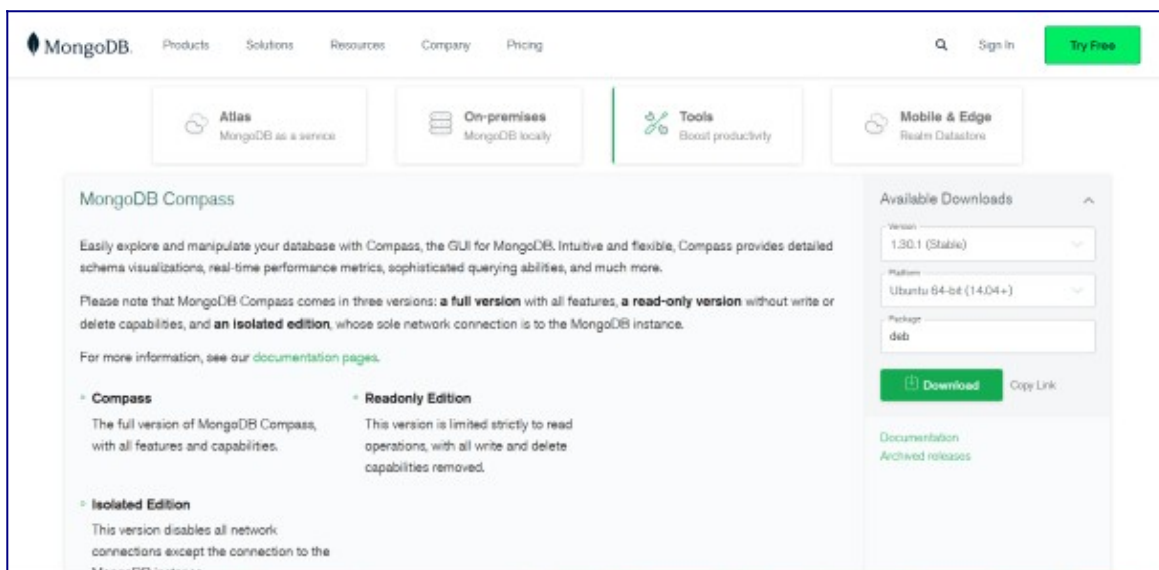
Steps for MongoDB Compass Ubuntu Installation

MongoDB Compass is a tool that provides a wide range of functionality and can be used to manage the data in the MongoDB database. MongoDB Compass Ubuntu Installation requires 5 steps.

1. MongoDB Compass Ubuntu: Download MongoDB Compass Ubuntu

There are two ways to download the files required for MongoDB Compass Ubuntu Installation.

1. go the official website of MongoDB. Go to the downloads page and select the version, platform, and type of file to be downloaded as shown in the image. This will directly download the file into the downloads folder of your system.



1. Directly download the required files using the command mentioned below(using wget command). To open the terminal click on ctrl+alt+T.

```
wget https://downloads.mongodb.com/compass/mongodb-compass_1.30.1_amd64.deb
```

2. MongoDB Compass Ubuntu: Open Ubuntu Command Terminal

If you have used the first method earlier, the file would be present in the downloads folder and you would need to go into the folder. Open the terminal using Ctrl+Alt+T. Then use the below command to move into the downloads folder.

```
cd Downloads
```

3. MongoDB Compass Ubuntu: Install MongoDB Compass on Ubuntu

The process to Install for both the methods is slightly different.

If you have downloaded the file manually using the APT package manager present in ubuntu. Use the following command.

```
sudo apt install ./mongodb-compass_*_amd64.deb
```

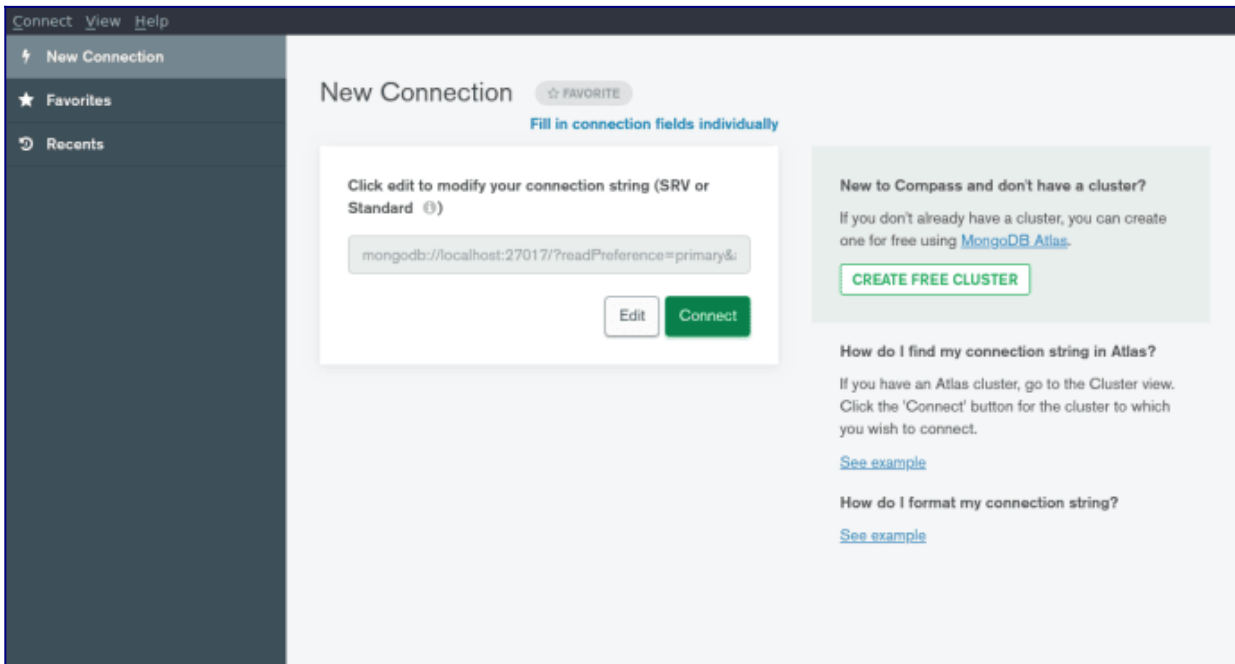
If you have downloaded the file using the terminal use the following command to install the MongoDB Compass Ubuntu.

```
sudo dpkg -i mongodb-compass_1.30.1_amd64.deb
```

4. MongoDB Compass Ubuntu: Run Compass GUI

After the installation is complete you can use the terminal to open the MongoDB Compass. You can directly search for shortcuts or type

MongoDB-compass



5. MongoDB Compass Ubuntu: Connect MongoDB Database

After the database instance of MongoDB is installed, then click on Connect button on the GUI.

- Click on the **New Connection**.
- Provide your local or remote MongoDB URL and click on the **CONNECT** button. This will connect you to the MongoDB database. You should see the following page:

Connect View Help

New Connection ☆ FAVORITE

Paste connection string

Hostname More Options

Hostname 203.0.113.0

Port 27017

SRV Record ☐

Authentication Username / Password ▼

Username AdminSammy

Password *****

Authentication Database admin

Connect

New to Compass and don't have a cluster?

If you don't already have a cluster, you can create one for free using [MongoDB Atlas](#).

CREATE FREE CLUSTER

How do I find my username and password?

If your mongod instance has authentication set up, you'll need the credentials of the MongoDB user that is configured on the project.

6. MongoDB Compass Ubuntu: Connect remote Database instance

- this tool allows to perform all tasks related to databases with ease. Click on the **CREATE DATABASE** button to create a new database. You should see the following page:

Connect View Help

Local

3 DBS 0 COLLECTIONS

☆ FAVORITE

HOST 203.0.113.0:27017

CLUSTER Standalone

EDITION MongoDB 4.4.10 Community

Filter your data

admin

config

local

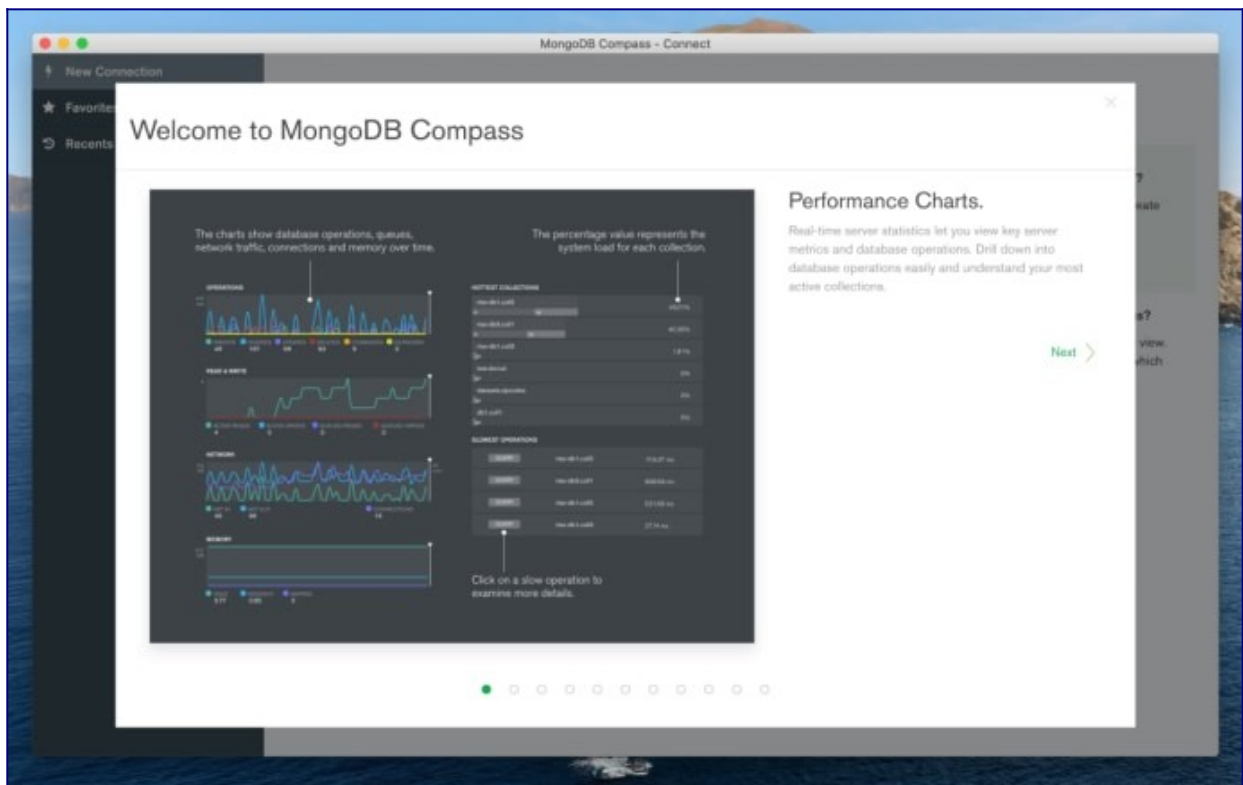
>_MONGOSH

Databases Performance

CREATE DATABASE

Database Name	Storage Size	Collections	Indexes
admin	40.0KB	0	3
config	0.0B	0	0
local	0.0B	0	0

- MongoDB compass provides a proper interface to monitor the performance metrics of the database as well. Click on the **Performance** tab. You should see the MongoDB performance monitor on the following page:



Conclusion

MongoDB is one of the most sought after databases and provides a wide range of functionality. MongoDB Compass is the tool to utilize all the features. Ubuntu being one the most used linux based operating systems around the world, MongoDB Compass Ubuntu Installation can cater to a larger audience. This article gave a guide on MongoDB compass and step by step guide on MongoDB Compass Ubuntu Installation.

MongoDB is a trusted source that a lot of companies use as it provides many benefits but transferring data from it into a data warehouse is a hectic task. The Automated data pipeline helps in solving this issue and this is where Hevo comes into the picture.