

Install MongoDB and pymongo for mac:

For those using a Linux, follow the installation guide on the official website:

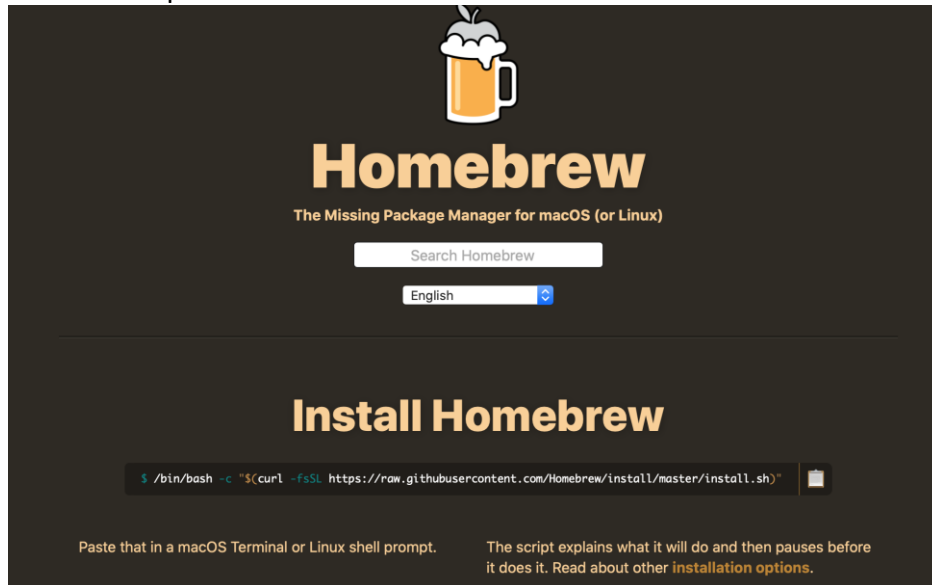
<https://docs.mongodb.com/manual/administration/install-on-linux/>

(It differs depending on your Linux distribution)

Step 1: Install Hombrew (I highly recommend homebrew if you not already installed it)

Link: <https://brew.sh>

Open up terminal and paste the command onto it



Give it some time to complete...

Step 2: Install mongoDB:

With the same terminal window or a new one if you like, enter “brew tap mongodb/brew”

```
ansonyang77@AY-MBP15 ~ % brew tap mongodb/brew
```

Then install mongodb by entering “brew install mongodb-community@4.4”

```
ansonyang77@AY-MBP15 ~ % brew install mongodb-community@4.4
Updating Homebrew...
--> Installing mongodb-community from mongodb/brew
--> Downloading https://fastdl.mongodb.org/tools/db/mongodb-database-tools-macos-x86_64-100.2.0.zip
##### 100.0%
--> Downloading https://fastdl.mongodb.org/osx/mongodb-macos-x86_64-4.4.1.tgz
##### 100.0%
--> Installing dependencies for mongodb/brew/mongodb-community: mongodb-database-tools
--> Installing mongodb/brew/mongodb-community dependency: mongodb-database-tools
📦 /usr/local/Cellar/mongodb-database-tools/100.2.0: 13 files, 172.9MB, built in 7 seconds
--> Installing mongodb/brew/mongodb-community
--> Caveats
To have launchd start mongodb/brew/mongodb-community now and restart at login:
  brew services start mongodb/brew/mongodb-community
Or, if you don't want/need a background service you can just run:
  mongod --config /usr/local/etc/mongod.conf
--> Summary
📦 /usr/local/Cellar/mongodb-community/4.4.1: 11 files, 136.8MB, built in 5 seconds
--> Caveats
--> mongodb-community
To have launchd start mongodb/brew/mongodb-community now and restart at login:
  brew services start mongodb/brew/mongodb-community
Or, if you don't want/need a background service you can just run:
  mongod --config /usr/local/etc/mongod.conf
ansonyang77@AY-MBP15 ~ %
```

Give it some time to complete...

Step 3: Start mongoDB

You can simply start mongoDB with the following command:

brew services start mongodb-community@4.4

```
ansonyang77@AY-MBP15 ~ % brew services start mongodb-community@4.4
==> Successfully started `mongodb-community` (label: homebrew.mxcl.mongodb-community)
ansonyang77@AY-MBP15 ~ %
```

Do not close the terminal running the mongoddb terminal while using mongoDB.

Step 4: Starting mongo Shell:

You can start the mongo shell with the “mongo” command. To exit out of the shell use the “exit” command

```
ansonyang77@AY-MBP15 ~ % mongo
MongoDB shell version v4.4.1
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("e196110b-6a82-4bd6-8de1-7c55f367dc3d") }
MongoDB server version: 4.4.1
---
The server generated these startup warnings when booting:
2020-11-07T11:41:19.905+00:00: ***** SERVER RESTARTED *****
2020-11-07T11:41:21.005+00:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2020-11-07T11:41:21.005+00:00: Soft rlimits too low
2020-11-07T11:41:21.005+00:00:      currentValue: 256
2020-11-07T11:41:21.005+00:00:      recommendedMinimum: 64000
---
---
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()
---
> exit
bye
ansonyang77@AY-MBP15 ~ %
```

Step 5: Setting up mongoDB on Python with pymongo:

Simply: pip install pymongo

If you use anaconda: conda install -c anaconda pymongo

(Remember to conda install in the correct environment when using anaconda)

Step 6: Verify Installation

Open up python/ any IDE you like/ any text editor you like.

Type the following commands:

```
1  import pymongo
2  from pymongo import MongoClient
3
4  client = MongoClient()
5
6  print(client.list_database_name())
```

Output should be the following: ['admin', 'config', 'local']

The installation is all done!

Step 7: Stopping mongoDB

You can stop mongoDB with the following command:

brew services stop mongodb-community@4.4

```
ansonyang77@AY-MBP15 ~ % brew services stop mongodb-community@4.4
Stopping `mongodb-community`... (might take a while)
==> Successfully stopped `mongodb-community` (label: homebrew.mxcl.mongodb-community)
ansonyang77@AY-MBP15 ~ %
```

For a tutorial of how to use pymongo:

<https://api.mongodb.com/python/current/tutorial.html>