

Backend: MongoDB

Node JS – installation

The following exercise contains the following subjects:

- ◆ MongoDB

Instructions

Before we dive into mongoDB, we need to install it in our operating system.

Watch videos 72 and 73 for installation instructions for your operating system.

We will be installing the community version.

If you have any problems, first read the following:

1) Check the Official Docs

The official docs are really good. Check the official installation guide for your operating system and make sure you follow the instructions step-by-step.

Windows => <https://docs.mongodb.com/manual/tutorial/install-mongodb-on-windows/>

macOS => <https://docs.mongodb.com/manual/tutorial/install-mongodb-on-os-x/>

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

2) The Database Path

MongoDB needs to store your database data somewhere - and it does so in real files. On Windows, these files are stored in a path which you define during installation (for the Windows service).

On macOS and Linux, MongoDB by default uses `/data/db` as the storage path. It also assumes a similar path (`C:\data\db`) on Windows when NOT using the MongoDB service (i.e. when manually executing the `mongod` command).

You can always change the path by running:

`mongod --dbpath "my/new/path"` (on Windows, use backslashes + the drive name => `mongod --dbpath "C:\my\path"`).

3) Permissions

Make sure that MongoDB is allowed to write to the path you specified. If you're getting any permission errors, try running

```
sudo mongod
```

on macOS and Linux.

On Windows, run the command prompt as administrator (right click on the command prompt executable => "Run as administrator").

IMPORTANT- For macOS Catalina Users

If you're on macOS Catalina, there has been a hidden change in the operating system. You're NOT able to use `/data/db` as a database folder anymore. Instead, you have to use a non-root path (e.g. `~/data/db`).

Everything should go smooth when installing MongoDB but if you're facing any issues, here are a couple of helpful hints + resources that should help you.

Further more there are tons of articles and videos you can see online to achieve this.

Make sure you are able to have a running mongo server and able to use the mongo shell before continuing.