

# Setup Environment of MongoDB for macOS

We will begin by installing MongoDB community edition which is a third-party Homebrew package manager. The advantage to this is that it also installs the MongoDB database tools that we will be working with.

To install MongoDB and its tools on macOS using Homebrew, follow these steps:

1. Open the Terminal application on your macOS.

2. Install Homebrew if you haven't already by running the following command and following the prompts:

```
...
```

```
/bin/bash -c "$(curl -fsSL  
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

```
...
```

After running the command, you need to press Enter to start the installation process of Homebrew on your macOS system.

The command initiates the installation script for Homebrew. It uses the curl command to download the script from the specified URL, and the bash command executes the script. The script will guide you through the installation process and prompt you for your password, as it requires administrative privileges to install Homebrew.

Once you enter your password and press Enter, the installation script will continue to set up Homebrew on your macOS system. It will download and install the necessary files and dependencies to enable you to use Homebrew for package management.

Once the installation is complete, you will see a message indicating that Homebrew has been successfully installed. You can then proceed with installing MongoDB or any other packages using Homebrew.

3. Once Homebrew is installed, run the following command to tap into the MongoDB Homebrew Tap:

```
...
```

```
brew tap mongodb/brew
```

...

4. To install MongoDB, use the following command:

...

```
brew install mongodb-community
```

...

5. After the installation is complete, you can start the MongoDB service by running the following command:

...

```
brew services start mongodb-community
```

...

This will start the MongoDB server in the background. You can verify that MongoDB is running by executing the command ``brew services list``, which will display the running services, including MongoDB.

Note: For future reference, to stop the service you would run the following command on the terminal:

...

```
brew services stop mongodb-community
```

...

6. To install the MongoDB command-line tools, run the following command:

...

```
brew install mongodb-database-tools
```

...

This will install a collection of MongoDB tools, including ``mongodump``, ``mongorestore``, ``mongoexport``, ``mongoimport``, and others.

That's it! MongoDB and its tools are now installed on your macOS using Homebrew. You can interact with MongoDB through the MongoDB shell using the ``mongo`` command, or use the various command-line tools for data management and analysis. Consult the official MongoDB documentation for further guidance on using MongoDB and its tools.