MEANJS

MEANJS (not MEANIO) starting point for developers using the Yeoman meanjs generator.

This dockerfile can be used to build the latest nodejs and npm with the latest npm packages, along with the most current version of mongo and various other tools already in the main repo.

## Note the JS here in MEANJS. This is the project at <http://meanjs.org/> so if you are looking for the MEAN IO template you have come to the wrong place.

While MEANIO is popular, the developer of the original MEAN stack has started working on MEANJS, and it seems to hold more promise for me.

One thing to note is that this will set up an environment with /Development as a root directory. This can be accessed by anyone, so mind your security!

### MongoDB

The packages provided for ubuntu are included. As root, be sure to have mongod running to avoid errors when running grunt on your project.

### ExpressJS

Installed through npm, the flexible ExpressJS can be used.

### AngularJS

For frontend work, AngularJS is being used, simply because it plays nicely with the stack.

### Node

As above, MEAN includes the N for node. Everything runs on node, and other tools such as the yo generator, grunt, bower, and other dependencies are installed for you.

## The Goal

The goal of this Dockerfile is to give aspiring developers looking to learn the MEAN framework a good starting point. Instead of worrying about following along with how to install everything, the only care one must take in getting this up and running is to

1. Get mongod running, usually as root, to allow the rest of the tools to work with a database, whether or not you decide to use it.
2. Set up a user to run other tools so the entire project is not being written as root.
3. Begin following along with tutorials using a simple to set up environment (provided Docker is simple for you too).

### Note:

Using docker run -i -t -p 80:3000 maccam912/meanjs bash will get the latest images from the docker repositories. This means that downloading images is what will be time consuming, but a recent version of node should be available to you this way. If you would like to build it from scratch, clone the repo or just the Dockerfile and run docker build <directory\_with\_Dockerfile> which will take much longer, especially as node is being built, but will ensure you have the latest versions available.

If anybody has suggestions on automating some of this (e.g. creating a "mean" user with a known password) or a better way of doing anything, feel free to submit a patch. Credit will be given, including in the*echo*step at the end of building so people building the dockerfile but not reading this readme will still see your contribution. My goal is to have a solid MEANJS (not MEANIO) starting point beyind what is provided at the website. If you are looking to add any other conveniences submit a patch for those too.

Docker Pull Command

docker pull maccam912/meanjs