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## Change Log

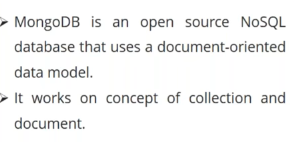
|  |  |
| --- | --- |
| Date | Details |
| 05/23/208 | * MEAN Basics * Node Installation * Mongo Installation * setting up mongo service * Creating new MEAN project. * Run simple app server script and validate. |

## What is MEAN

Mean is a full stack JS solution that helps you to build fast robust and maintainable production web application using MongoDB Express AngularJS, and Node JS.

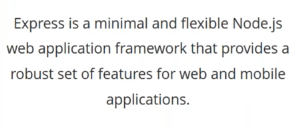


### MongoDB

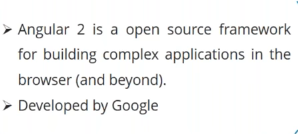


Collection : group of documents  
Documents: set of key value pair

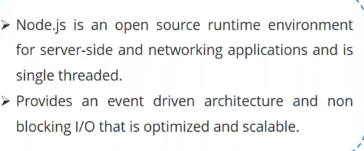
### Express



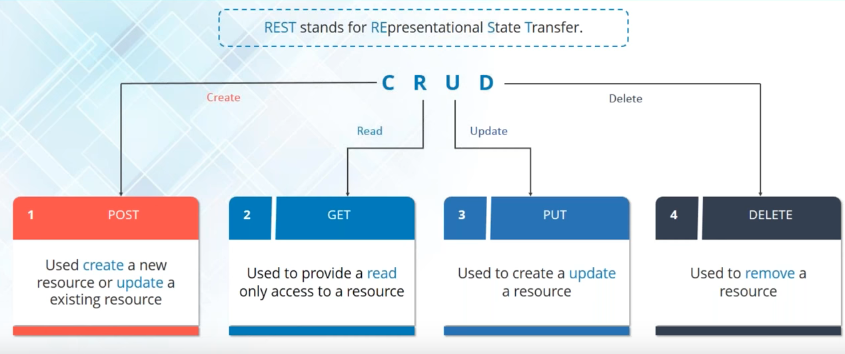
### Angular



### NodeJS

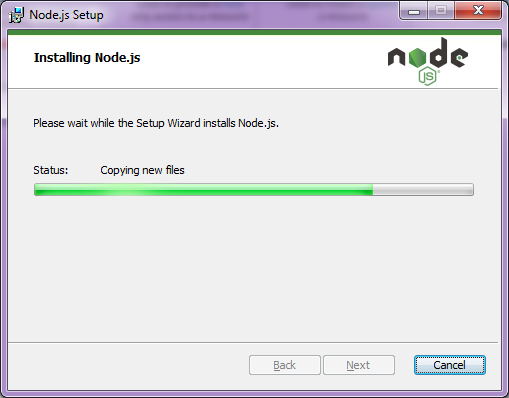


## RESTFul API



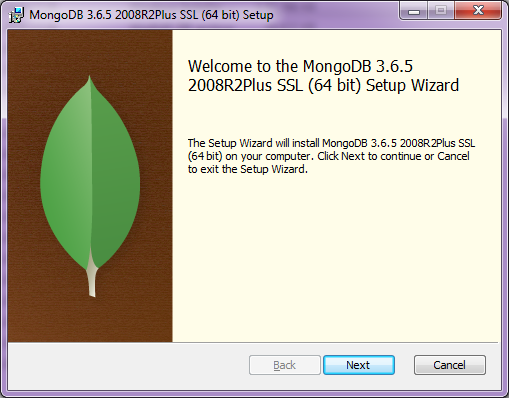
## Install Node JS (Windows)

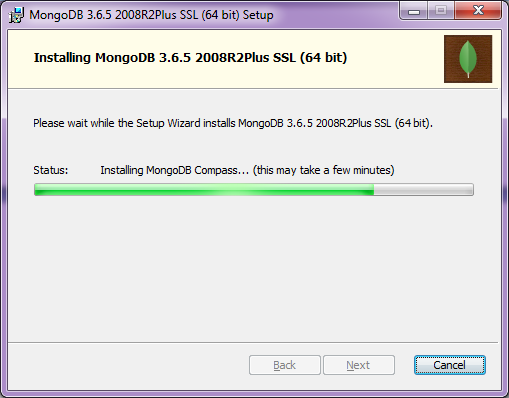
Download NodeJs exe from Nodejs.org and run exe.



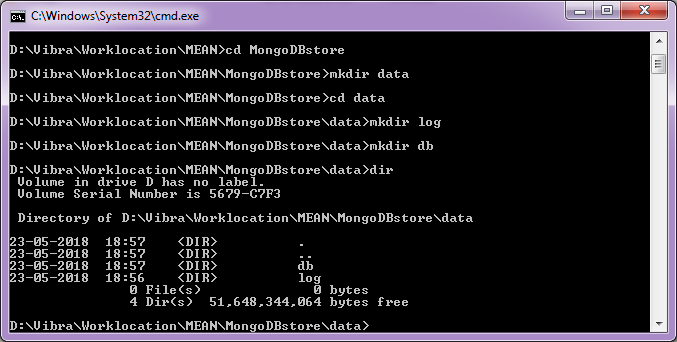
## Install MongoDB

Go to www.mongodb.com and download exe and install it.





Setting-up Mongo service.



execute below commands. you can change the location/path based on your installation.

create mongod.cfg with below content.

systemLog:  
 destination: file  
 path: D:\Vibra\Worklocation\MEAN\MongoDBstore\data\log\mongod.log  
storage:  
 dbPath: D:\Vibra\Worklocation\MEAN\MongoDBstore\data\db

Run below commands in commandline with admin privillage.

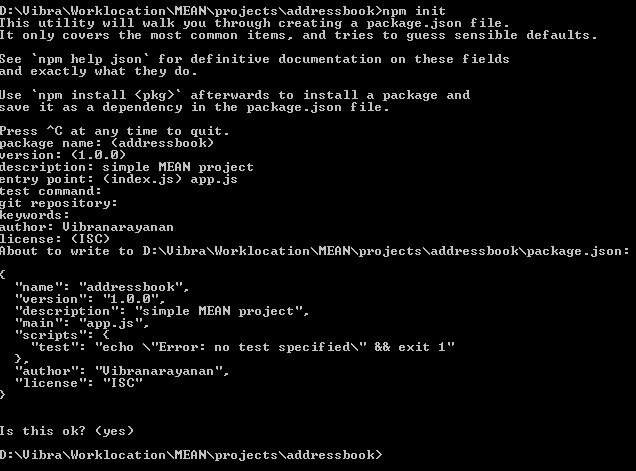
#"D:\Vibra\Worklocation\MEAN\mongo\bin\mongod.exe" --config "D:\Vibra\Worklocation\MEAN\mongo\mongod.cfg" --install

#sc.exe create MongoDB binPath= "\"D:\Vibra\Worklocation\MEAN\mongo\bin\mongod.exe\" --service --config=\"D:\Vibra\Worklocation\MEAN\mongo\mongod.cfg\"" DisplayName= "MongoDB" start= "auto"

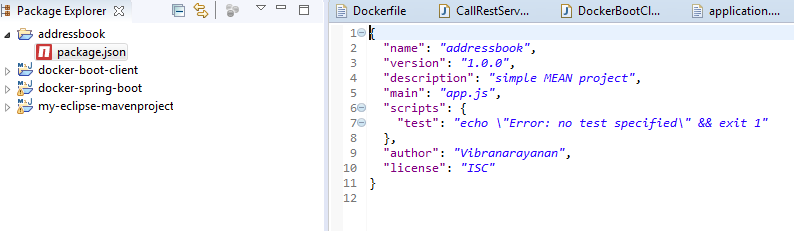
Result  
D:\Vibra\Worklocation\MEAN\MongoDBstore>net start MongoDB  
The MongoDB service is starting..  
The MongoDB service was started successfully.  
D:\Vibra\Worklocation\MEAN\MongoDBstore>

## npm init

Create a project folder and initiate project with npm command

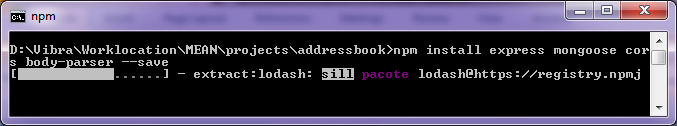


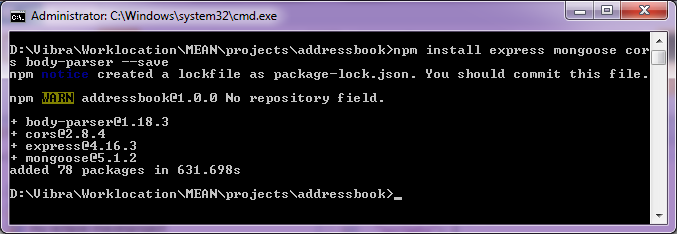
### Load this project into eclipse



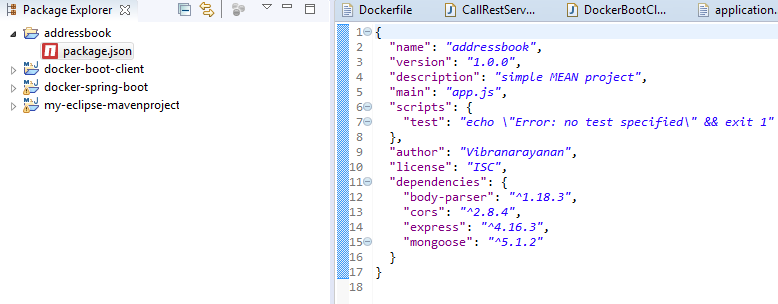
### Install dependencies

execute below command to install dependencies D:\Vibra\Worklocation\MEAN\projects\addressbook>npm install express mongoose cors body-parser --save

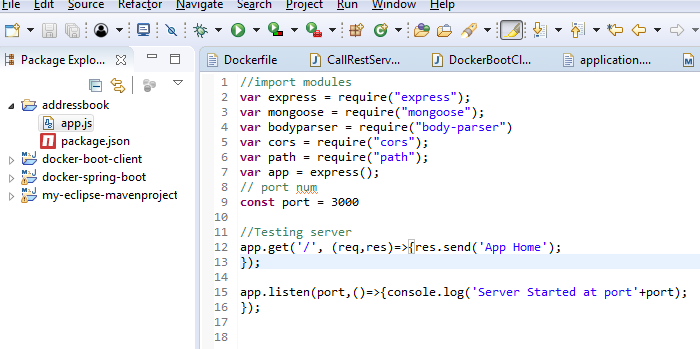




Dependencies updated automatically in package.json

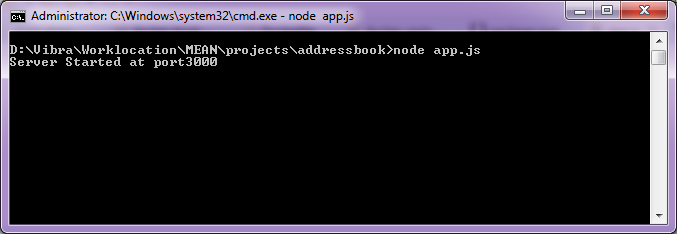


### Build app.js



### Start application

execute node app.js. this will start the application 3000 port as mention above.



### Application in browser

