MIRACLE
SOFTWARE SYSTEMS

Installation How To Document for AP Cloud 3-Day MEAN Stack Course

DIY How To Document for Windows

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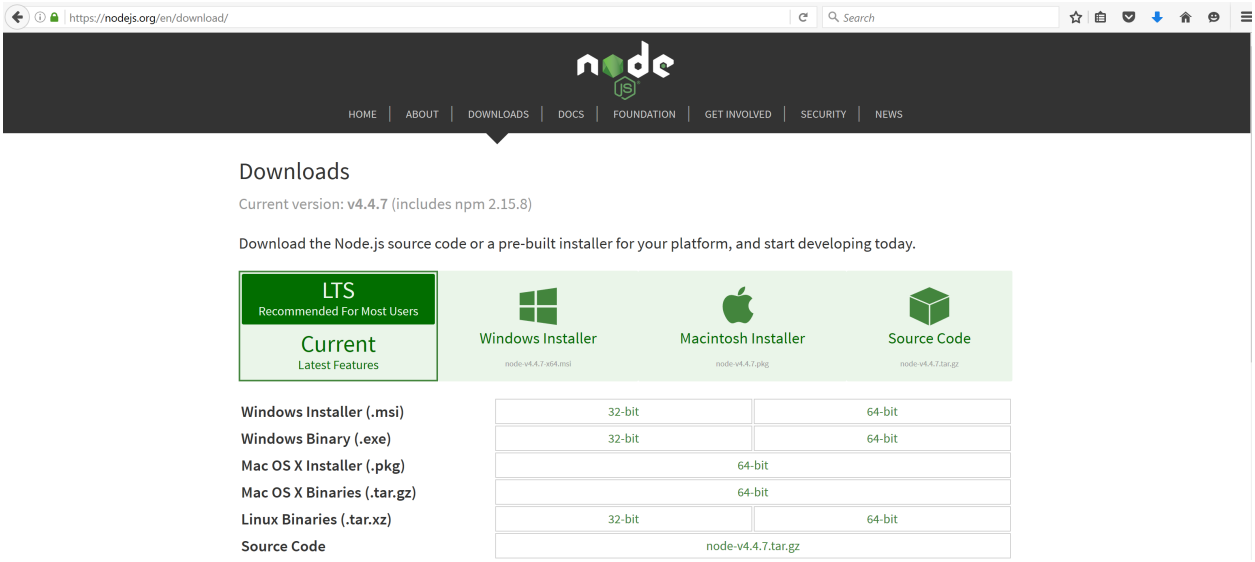
August 1st, 2016

MEAN Stack Installation Document – AP Cloud

Installing Node.js for Windows

Download the Windows Installer file from the Node.js website which is given below,

https://nodejs.org/en/download/



Once you download the Installer file for your required platform you need to run the Installer file (.msi file) by clicking on it.

Follow the prompts in the installer (Accept the license agreement and the default installation settings).

Once the Installation is done successfully, restart your machine to reflect the NodeJS and NPM on your machine.

To make sure you have Node and NPM installed by running simple commands to see what version of each is installed.

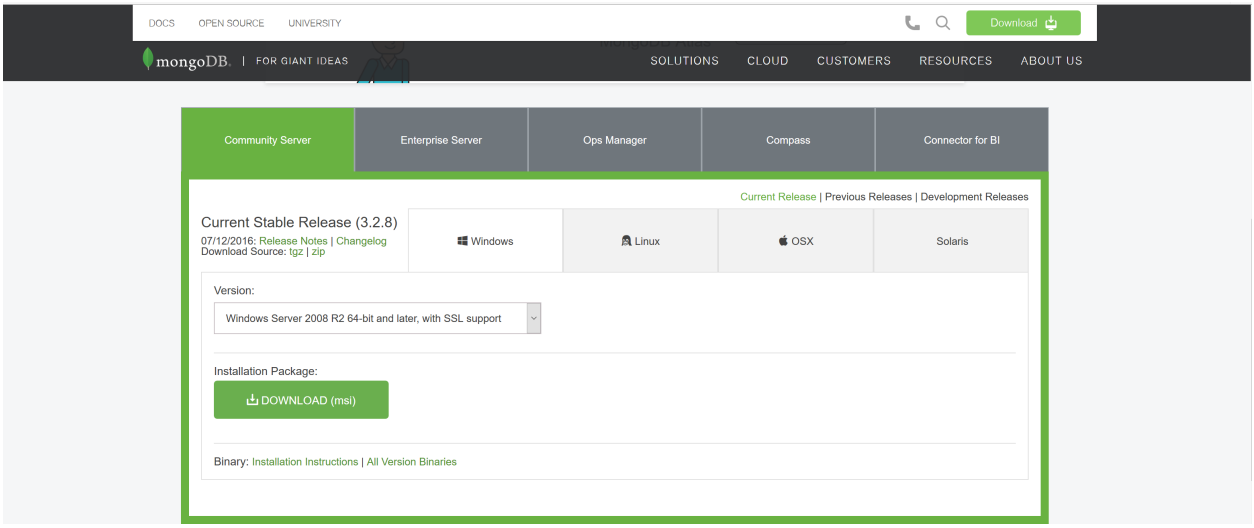
- **Test Node :** To see if Node is installed, open the Windows Command Prompt, PowerShell or a similar command line tool, and type node -- v This should print a version number
- **Test NPM :** To see if NPM is installed, type npm --v in Terminal. This should print NPM's version number

Installing Mongo DB for Windows

To install MongoDB on Windows, first download the latest version of MongoDB from,

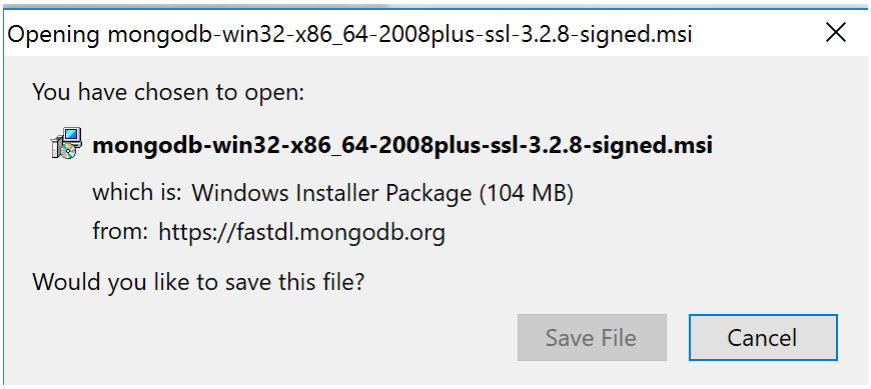
http://www.mongodb.org/downloads

After opening the link, you will find the dashboard as below. Click on the Windows Icon and select the required version for download.

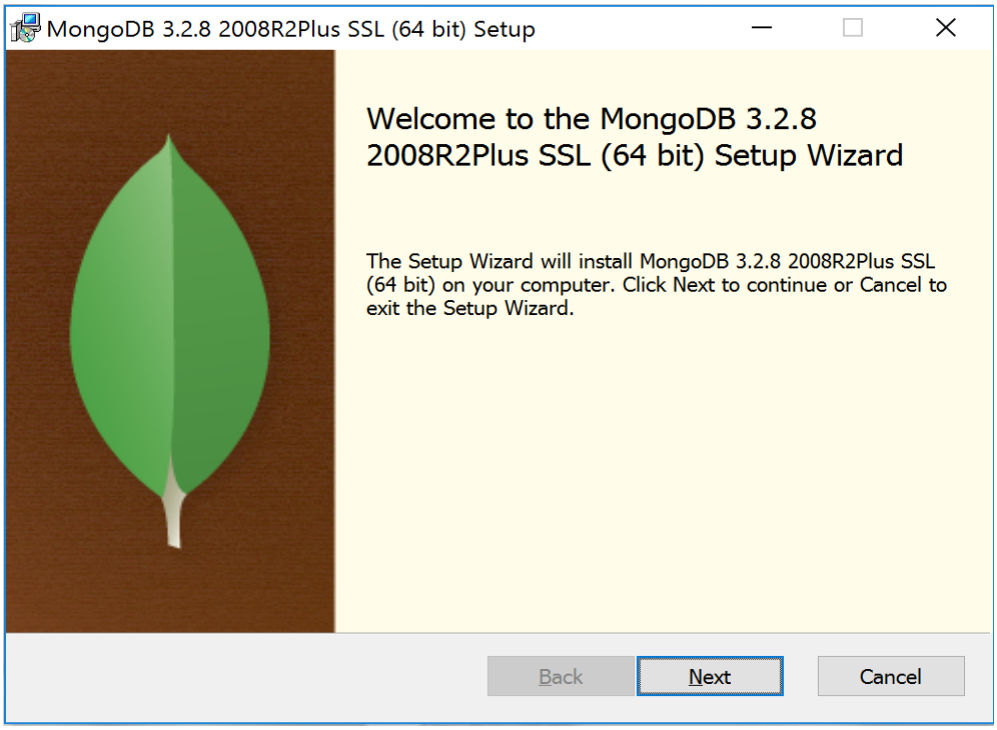


Note: Make sure that you select the correct version of MongoDB depending upon your windows version. 32-bit version of MongoDB support only databases smaller than 2GB and suitable only for testing and evaluation purpose. So, it is better to opt 64-Bit versions of MongoDB.

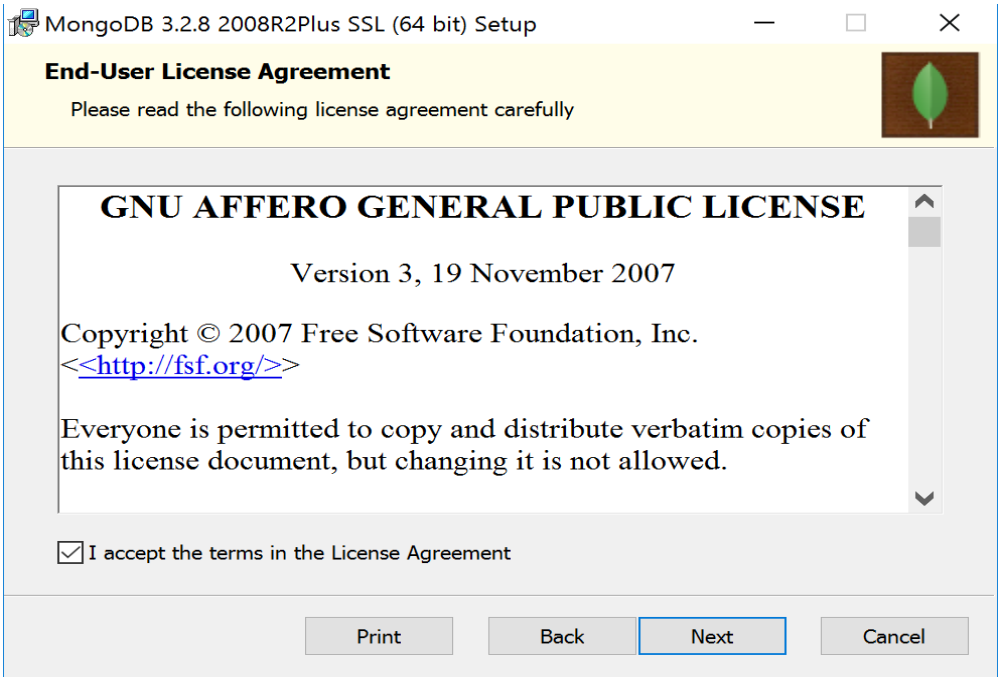
On Clicking the downloaded **.msi file**, a pop-up window will be displayed as shown below. Make sure that the name of the extracted folder is mongodb-win32-i386-[version] or mongodb-win32-x86_64-[version] to start creating the application.



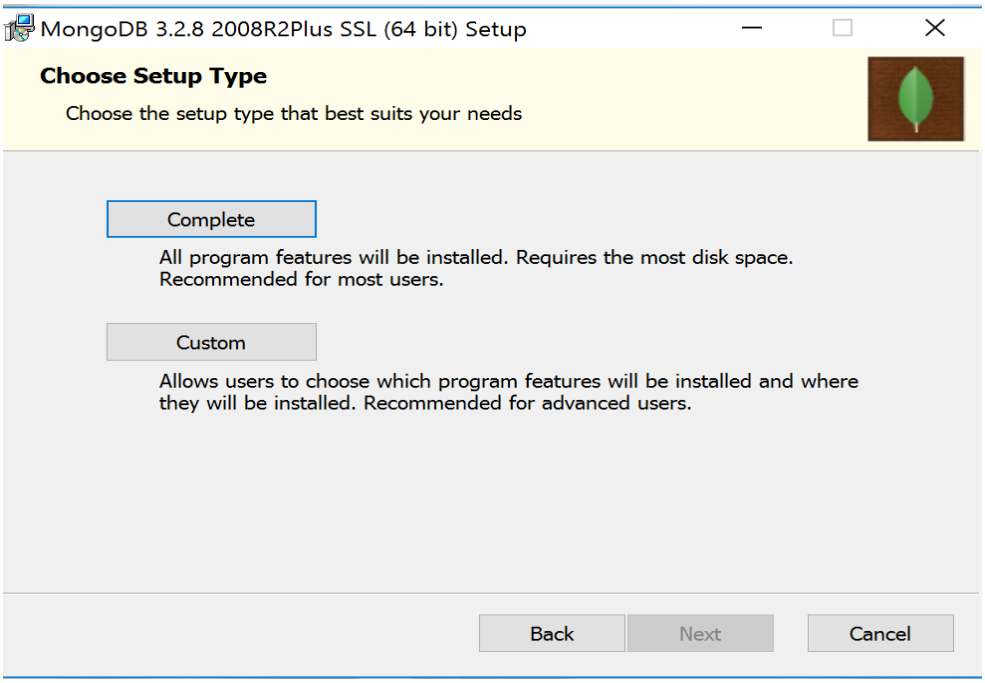
Click on save to extract your downloaded file to c:\ drive or any other location. Go through the installer launcher with the default options and accept the license agreement.



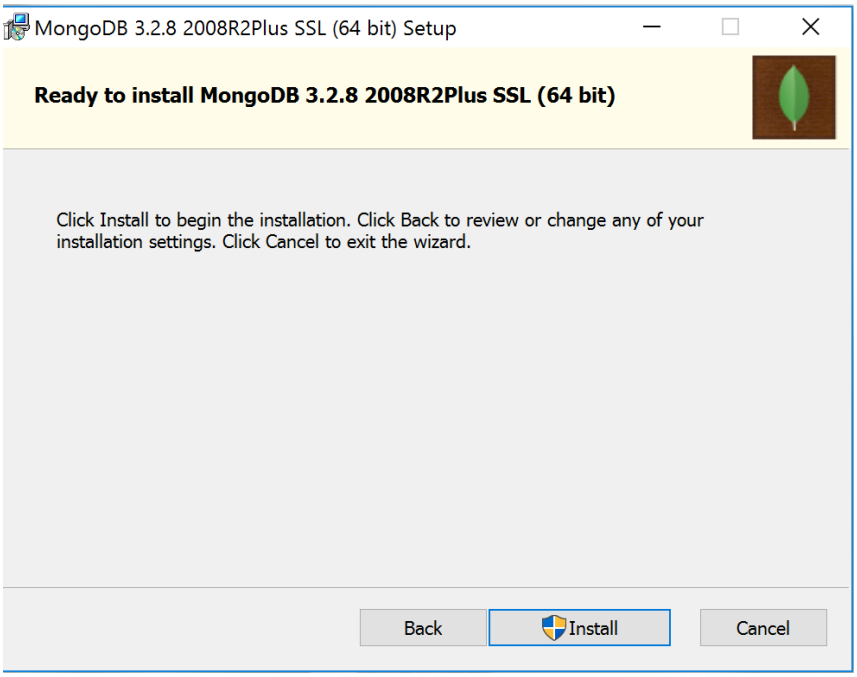
Accept the license agreement in the next step,



Choose set type as “Complete” as same in the below step.



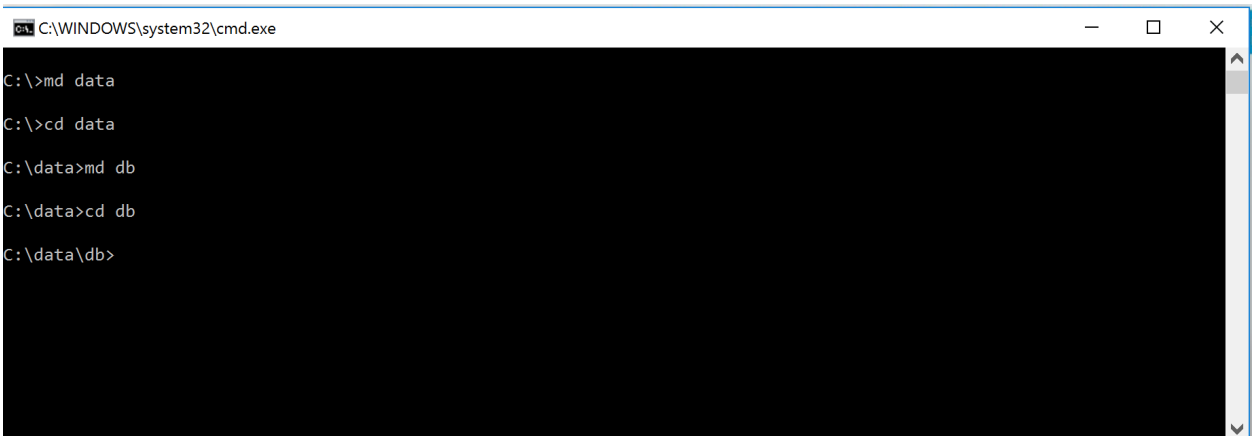
Click on the install button to complete the installation.



Creating the data folder in Mongo DB

Next, we need to create a Data folder in program files of C directory for storing the files of MongoDB. As, the default location of MongoDB is c:\data\db.

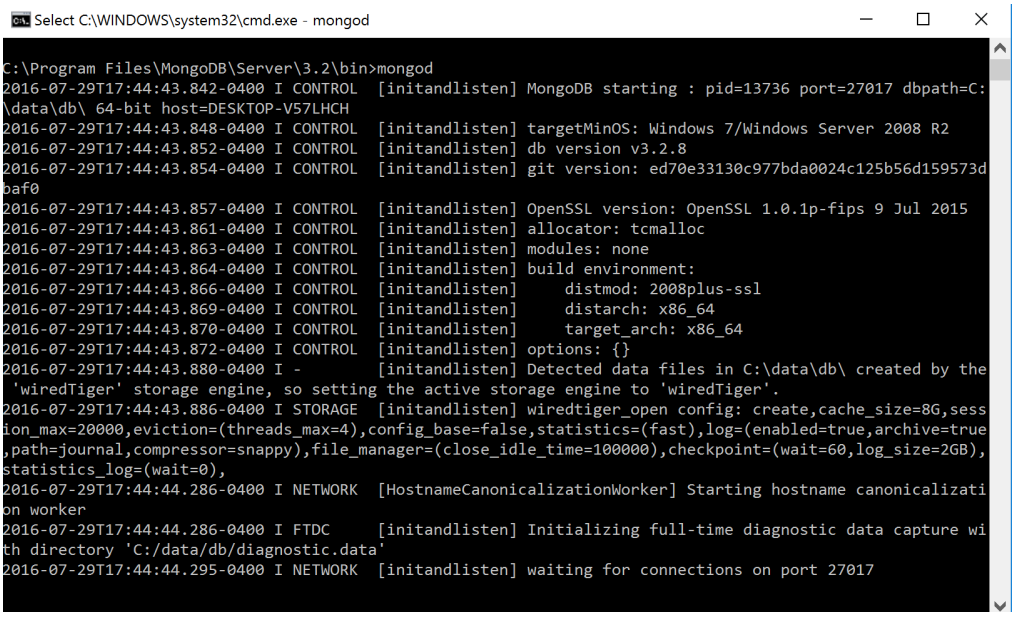
We can achieve it by simply creating in Command Prompt as shown below.



Connecting to the Mongo DB Server

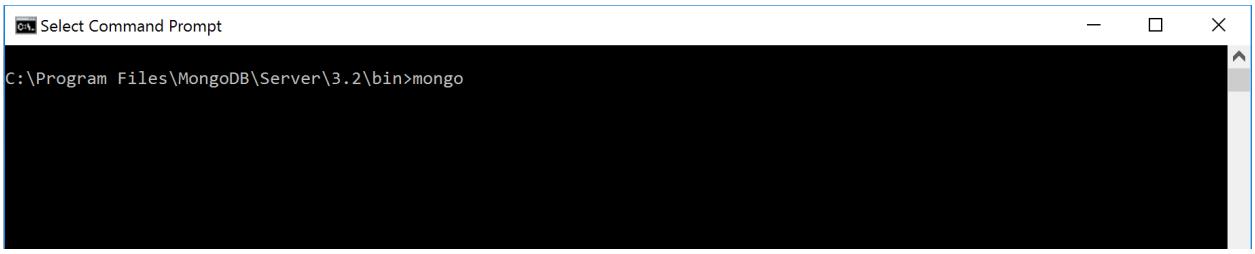
Open a new command prompt for the Mongo DB Server to run in. In command prompt navigate to the bin directory present into the mongodb installation folder like **C:\Program Files\MongoDB\Server\3.0\bin** (or) simply copy the path up to bin of MongoDB Installation file in command prompt as shown below and type **mongod**.

Click enter. Then, this will show **waiting for connections** message on the console output, it indicates that the **mongod.exe** process is running successfully.



Connecting the Mongo Client

To run the Mongo DB Client you will need to open another command prompt. Again, navigate to the bin folder of Mongo DB installation in command prompt and use the command **mongo** for client as below.



If your database is running the client will connect and show a message similar to below with the default Mongo database as Test.