**Things to install**

You'll need these tools to be installed before we start learning MEAN Stack Developmnet. Please choose the right ones as per your OS. Install the tool and then do the test command to verify it.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Link/Command | Test | Comments |
| Node.js and npm for windows | <https://nodejs.org/en/> | Run in command prompt  node -v and  npm -v  Should return installed versions | Install the LTS release |
| Node.js and npm for ubuntu | sudo apt-get install nodejs  sudo apt-get install npm  sudo npm cache clean -f  sudo npm install -g n  sudo n stable | Run in terminal  node -v and  npm -v  Should return installed versions |  |
| mongoDB for Ubuntu | sudo apt-get install -y mongodb | $mongo  Should return mongo shell |  |
| mongoDB for Windows (64-bit) | https://www.mongodb.com/download-center/community | Refer the document attached | Download Zip File |

**How to Install MongoDB on Windows**

May 27, 2014 by Lokesh Gupta

In previous post, we learned about Why MongoDB and it’s introduction. In this post, I am listing down the steps to **install MongoDB on windows machine**. Also, we will learn about few basic operations related to start and shutdown of MongoDB.

**Sections in this post:**

[1) Download MongoDB](http://howtodoinjava.com/nosql/mongodb/how-to-install-mongodb-on-windows/#Download_MongoDB)

[2) Install MongoDB](http://howtodoinjava.com/nosql/mongodb/how-to-install-mongodb-on-windows/#Install_MongoDB)

[3) Create mongo.config Configuration File](http://howtodoinjava.com/nosql/mongodb/how-to-install-mongodb-on-windows/#MongoDB_Config)

[4) Start/Shutdown the MongoDB Server](http://howtodoinjava.com/nosql/mongodb/how-to-install-mongodb-on-windows/#Start_Shutdown_MongoDB)

[7) Verify MongoDB Installation](http://howtodoinjava.com/nosql/mongodb/how-to-install-mongodb-on-windows/#Verify_MongoDB_Installation)

**1) Download MongoDB**

There are three builds of MongoDB for Windows:

1) MongoDB for Windows Server 2008 R2 edition [[Download link](https://fastdl.mongodb.org/win32/mongodb-win32-x86_64-2008plus-2.6.1.zip)]

2) MongoDB for Windows 64-bit [[Download link](https://fastdl.mongodb.org/win32/mongodb-win32-x86_64-2.6.1.zip)]

3) MongoDB for Windows 32-bit [[Download link](https://fastdl.mongodb.org/win32/mongodb-win32-i386-2.6.1.zip)]

To find which version of Windows you are running, enter the following command in the Command Prompt:  
**c:\> wmic os get osarchitecture**

[**More download options**](http://www.mongodb.org/downloads) are given in official website of MongoDB.

**2) Install MongoDB**

The given links above will download zip files which you extract directly onto any place in your system of your choice. I have extracted them in “d:/mongodb“. So, all code samples will in this post as well as future posts will refer to this location.

It’s recommended to add **d:/mongodb/bin** to Windows environment variable, so that you can access the MongoDB’s commands in command prompt directly.

Also, please **create following directories** inside d:/mongodb

* D:\mongodb\data
* D:\mongodb\log

**3) Create mongo.config Configuration File**

This is important step before marching ahead. Create a normal text file in location d:/mongodb and save it with name mongo.config.  
Now place the below configuration options in file. You can change the option’s values at your will.

|  |
| --- |
| ##Which IP address(es) mongod should bind to.  bind\_ip = 127.0.0.1    ##Which port mongod should bind to.  port = 27017    ##I set this to true, so that only critical events and errors are logged.  quiet = true    ##store data here  dbpath=D:\mongodb\data    ##The path to the log file to which mongod should write its log messages.  logpath=D:\mongodb\log\mongo.log    ##I set this to true so that the log is not overwritten upon restart of mongod.  logappend = true    ##log read and write operations  diaglog=3    ##It ensures write durability and data consistency much as any journaling scheme would be expected to do.  ##Only set this to false if you don’t really care about your data (or more so, the loss of it).  journal = true |

**4) Start/Shutdown the MongoDB Server**

To **start the MongoDB server**, use below command in command prompt:

**mongod.exe –config d:\mongodb\mongo.config**

|  |
| --- |
| D:\mongodb\bin>mongod --config D:\mongodb\mongo.config --journal  2014-05-25T16:51:18.433+0530 warning: --diaglog is deprecated and will be removed in a future release  2014-05-25T16:51:18.434+0530 diagLogging level=3  2014-05-25T16:51:18.435+0530 diagLogging using file D:\mongodb\data/diaglog.5381d22e |

To **connect to MongoDB** from command prompt, use below command:

**d:\mongodb\bin>mongo**

|  |
| --- |
| D:\mongodb\bin>mongo  MongoDB shell version: 2.6.1  connecting to: test  Welcome to the MongoDB shell.  For interactive help, type "help".  For more comprehensive documentation, see   http://docs.mongodb.org/  Questions? Try the support group   http://groups.google.com/group/mongodb-user  Server has startup warnings:  2014-05-25T16:52:09.158+0530 [initandlisten]  2014-05-25T16:52:09.158+0530 [initandlisten] \*\* NOTE: This is a 32 bit MongoDB binary.  2014-05-25T16:52:09.158+0530 [initandlisten] \*\*       32 bit builds are limited to less than 2GB of data (or less with --jour  nal).  2014-05-25T16:52:09.158+0530 [initandlisten] \*\*       See http://dochub.mongodb.org/core/32bit  2014-05-25T16:52:09.158+0530 [initandlisten] |

**Happy Learning !!**