# **How to install mongoDB on Ubuntu**

#### **1. Add 10gen package to source.list.d**

Ubuntu 12 comes with a “mongo” package, but not the latest version.

$ **sudo apt-cache search mongodb**

It’s recommended to add 10gen package to /etc/apt/sources.list.d, as it contains the latest stable MongoDB. Create a /etc/apt/sources.list.d/mongo.list file, and declared the 10gen distro.

$ **sudo vim /etc/apt/sources.list.d/mongo.list**

add this to file(*10gen package location)*  
   
deb http://downloads-distro.mongodb.org/repo/ubuntu-upstart dist 10gen

#### **2. Add GPG Key**

10gen package required GPG key, imports it :

$ **sudo apt-key adv --keyserver keyserver.ubuntu.com --recv 7F0CEB10**

If you didn’t import the GPG key, apt-get update will hits following error message :

GPG error: http:**//**downloads-distro.mongodb.org dist Release:   
The following signatures couldn't be verified because the public key is not available: NO\_PUBKEY 9ECBEC467F0CEB10

#### **3. Update package**

Update your apt-get list.

$ **sudo apt-get update**

Search “mongodb” again, a new 10gen package is appearing now. Get the “mongodb-10gen“, it contains the latest stable MongoDB.

$ **sudo apt-cache search mongodb**  
mongodb  
mongodb-clients  
mongodb-dev  
mongodb-server  
   
mongodb-10gen  
mongodb18-10gen  
mongodb20-10gen

#### **4. Install mongodb-10gen**

Everything is ready, now you can Install MongoDB :

$ **sudo apt-get install mongodb-10gen**

#### **5. Where is MongoDB?**

MongoDB is installed and started.

$ps -ef | grep mongo  
mongodb 5262 1 0 15:27 ? 00:00:14 **/**usr**/**bin**/**mongod --config **/**etc**/**mongodb.conf  
mkyong 5578 3994 0 16:29 pts**/**0 00:00:00 **grep** --color=auto mongo  
   
 $ mongo -version  
MongoDB shell version: 2.2.3

All MongoDB executable files are stored at /usr/bin/

$ **ls** -ls **/**usr**/**bin **|** **grep** mongo  
 4220 -rwxr-xr-x 1 root root 4317928 Feb 2 08:11 mongo  
10316 -rwxr-xr-x 1 root root 10563336 Feb 2 08:11 mongod  
10320 -rwxr-xr-x 1 root root 10563664 Feb 2 08:11 mongodump  
10284 -rwxr-xr-x 1 root root 10526736 Feb 2 08:11 mongoexport  
10324 -rwxr-xr-x 1 root root 10567768 Feb 2 08:11 mongofiles  
10296 -rwxr-xr-x 1 root root 10539056 Feb 2 08:11 mongoimport  
10272 -rwxr-xr-x 1 root root 10514544 Feb 2 08:11 mongooplog  
10272 -rwxr-xr-x 1 root root 10518512 Feb 2 08:11 mongoperf  
10320 -rwxr-xr-x 1 root root 10563632 Feb 2 08:11 mongorestore  
 6644 -rwxr-xr-x 1 root root 6802848 Feb 2 08:11 mongos  
10312 -rwxr-xr-x 1 root root 10556560 Feb 2 08:11 mongostat  
10272 -rwxr-xr-x 1 root root 10515856 Feb 2 08:11 mongotop

The “mongodb control script” is generated at /etc/init.d/mongodb

$ **ls** -ls **/**etc**/**init.d **|** **grep** mongo  
 0 lrwxrwxrwx 1 root root 21 Feb 2 08:11 mongodb -**>** **/**lib**/**init**/**upstart-job

The MongoDB config file is at /etc/mongodb.conf

**/etc/mongodb.conf**

*# mongodb.conf*  
   
*# Where to store the data.*  
   
*# Note: if you run mongodb as a non-root user (recommended) you may*  
*# need to create and set permissions for this directory manually,*  
*# e.g., if the parent directory isn't mutable by the mongodb user.*  
dbpath=**/**var**/**lib**/**mongodb  
   
*#where to log*  
logpath=**/**var**/**log**/**mongodb**/**mongodb.log  
   
logappend=**true**  
   
*#port = 27017*  
   
*#......*

#### **6. Controlling MongoDB**

Some commands to control the MongoDB.

Starting MongoDB

$ **sudo** service mongodb start

Stoping MongoDB

$ **sudo** service mongodb stop

Restarting MongoDB

$ **sudo** service mongodb restart