How To Install MongoDB on Ubuntu 12.04

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MongoDB is a document database used commonly in modern web applications. This tutorial should help you setup a virtual private server to use as a dedicated MongoDB server for a production application environment.

The MongoDB install process is simple enough to be completed with a Bash script. Copy the following into a new file named `mongo_install.bash` in your home directory:

apt-key adv --keyserver keyserver.ubuntu.com --recv 7F0CEB10

echo "deb http://downloads-distro.mongodb.org/repo/ubuntu-upstart dist 10gen" | tee -a /etc/apt/sources.list.d/10gen.list

apt-get -y update

apt-get -y install mongodb-10gen

Here's an explanation of each line in the script:

1. The `apt-key` call registers the public key of the custom 10gen MongoDB aptitude repository
2. A custom 10gen repository list file is created containing the location of the MongoDB binaries
3. Aptitude is updated so that new packages can be registered locally
4. Aptitude is told to install MongoDB

TIP: At any time, to change to your home directory, simply execute `cd`

Run the Install Script

Execute the following from your home directory:

$ sudo bash ./mongo_install.bash

If everything is successful, you should see the output contain a PID of the newly started MongoDB process:

mongodb start/running, process 2368

Check It Out

By default with this install method, MongoDB should start automatically when your system is booted. This means that if you need to reboot your system, MongoDB will start right back up.
To start learning about the running `mongod` process, run the following command:

$ ps aux | grep mongo

One line of the output should look like the following:

mongodb 5690.4 6.4 627676 15936 ? Ssl22:54 0:02 /usr/bin/mongod --config /etc/mongodb.conf