mongoDB

**Install MongoDB on Linux Systems**

## Installation Process

MongoDB provides archives for both 64-bit and 32-bit Linux. Follow the installation procedure appropriate for your system.

### Install for 64-bit Linux

#### Download the Latest Release

In a system shell, download the latest release for 64-bit Linux.

curl -O http://downloads.mongodb.org/linux/mongodb-linux-x86\_64-2.5.4.tgz

#### Extract MongoDB From Archive

Extract the files from the downloaded archive.

tar -zxvf mongodb-linux-x86\_64-2.5.4.tgz

#### Optional. Copy MongoDB to Target Directory

Copy the extracted folder into another location, such as mongodb.

mkdir -p mongodb

cp -R -n mongodb-linux-x86\_64-2.5.4/ mongodb

#### Optional. Configure Search Path[¶](http://docs.mongodb.org/manual/tutorial/install-mongodb-on-linux/#optional-configure-search-path)

To ensure that the downloaded binaries are in your PATH, you can modify your PATH and/or create symbolic links to the MongoDB binaries in your /usr/local/bin directory (/usr/local/bin is already in your PATH). You can find the MongoDB binaries in the bin/ directory within the archive.

## Run MongoDB

### Set Up the Data Directory

Before you start [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) for the first time, you will need to create the data directory (i.e. [dbpath](http://docs.mongodb.org/manual/reference/configuration-options/#dbpath)). By default, [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) writes data to the /data/db directory.

#### Create dbpath

To create the default [dbpath](http://docs.mongodb.org/manual/reference/configuration-options/#dbpath) directory, use the following command:

mkdir -p /data/db

#### Set dbpath Permissions

Ensure that the user that runs the [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) process has read and write permissions to this directory. For example, if you will run the [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) process, change the owner of the /data/db directory:

### Start MongoDB

To start [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod), run the executable [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) at the system prompt.

For example, if your PATH includes the location of the [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) binary, enter mongod at the system prompt

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If your PATH does not include the location of the [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) binary, enter the full path to the [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) binary.

Starting [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) without any arguments starts a MongoDB instance that writes data to the /data/db directory. To specify an alternate data directory, start [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) with the --dbpath option:

mongod --dbpath <some alternate directory>

### Stop MongoDB

To stop the [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) instance, press Control+C in the terminal where the [mongod](http://docs.mongodb.org/manual/reference/program/mongod/#bin.mongod) instance is running.