

How To Install MongoDB On Windows

In this tutorial, we will show you how to install **MongoDB** on Windows.

1. MongoDB 2.2.3
2. Windows 7

Note

The MongoDB does not require installation, just download and extracts the zip file, configure the data directory and start it with command "`mongod`".

1. Download MongoDB

Download MongoDB from official [MongoDB website](http://www.mongodb.org). Choose Windows 32 bits or 64 bits. Unzip, extracts to your prefer location, for example : `d:\mongodb\`.

2. Review MongoDB folder

In MongoDB, it contains only 10+ executable files (exe) in the bin folder. This is true, and that are the required files to MongoDB, it's really hard to believe for a developer like me who come from a relation database background.

Figure : Files under \$MongoDB/bin folder

Name	Date modified	Type	Size
bsondump.exe	1/31/2013 7:40 PM	Application	8,919 KB
mongo.exe	1/31/2013 7:54 PM	Application	4,429 KB
mongod.exe	1/31/2013 7:54 PM	Application	8,981 KB
mongod.pdb	1/31/2013 7:54 PM	PDB File	69,363 KB
mongodump.exe	1/31/2013 7:52 PM	Application	8,963 KB
mongoexport.exe	1/31/2013 7:33 PM	Application	8,924 KB
mongofiles.exe	1/31/2013 7:19 PM	Application	8,947 KB
mongoimport.exe	1/31/2013 7:47 PM	Application	8,947 KB
mongooplog.exe	1/31/2013 7:33 PM	Application	8,919 KB
mongoperf.exe	1/31/2013 7:12 PM	Application	8,920 KB
mongorestore.exe	1/31/2013 7:26 PM	Application	8,951 KB
mongos.exe	1/31/2013 7:45 PM	Application	6,392 KB
mongos.pdb	1/31/2013 7:45 PM	PDB File	53,243 KB
mongostat.exe	1/31/2013 7:06 PM	Application	8,966 KB
mongotop.exe	1/31/2013 7:19 PM	Application	8,927 KB

Note

It's recommended to add `$MongoDB/bin` to Windows environment variable, so that you can access the MongoDB's commands in command prompt easily.

3. Configuration File

Create a MongoDB config file, it's just a text file, for example : `d:\mongodb\mongo.config`

d:\mongodb\mongo.config

```
##store data here
dbpath=D:\mongodb\data

##all output go here
logpath=D:\mongodb\log\mongo.log

##Log read and write operations
diaglog=3
```

Note

MongoDB need a folder (data directory) to store its data. By default, it will store in "C:\data\db", create this folder manually. MongoDB won't create it for you. You can also specify an alternate data directory with `--dbpath` option.

4. Run MongoDB server

Use `mongod.exe --config d:\mongodb\mongo.config` to start MongoDB server.

```
d:\mongodb\bin>mongod --config D:\mongodb\mongo.config
all output going to: D:\mongodb\log\mongo.log
```

5. Connect to MongoDB

Uses `mongo.exe` to connect to the started MongoDB server.

```
d:\mongodb\bin>mongo
MongoDB shell version: 2.2.3
connecting to: test
> //mongodb shell
```

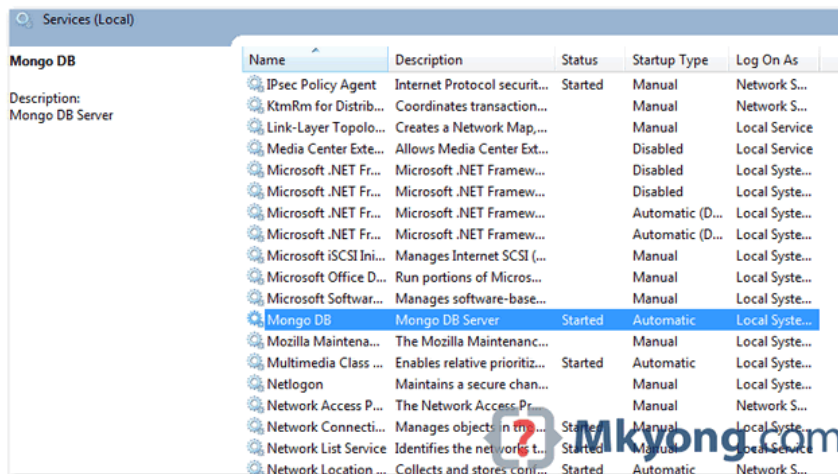
6. MongoDB as Windows Service

Add MongoDB as Windows Service, so that MongoDB will start automatically following each system restart.

Install as Windows Service with `--install`.

```
d:\mongodb\bin> mongod --config D:\mongodb\mongo.config --install
```

A Windows service named "MongoDB" is created.



To start MongoDB Service

```
net start MongoDB
```

To stop MongoDB Service

```
net stop MongoDB
```

To remove MongoDB Service

```
d:\mongodb\bin>mongod --remove
```

7. FAQs

1. Install MongoDB as Windows service on Windows 8, but hit "Access is denied." error message :

```
C:\Users\mkyong2002>mongod --config D:\mongodb\mongo.config --install
Tue Jul 16 21:05:55.154 diagLogging level=3
Tue Jul 16 21:05:55.155 diagLogging using file D:\mongodb\data\diaglog.51e54533
Tue Jul 16 21:05:55.155 Trying to install Windows service 'MongoDB'
Tue Jul 16 21:05:55.155 Error connecting to the Service Control Manager: Access
is denied. (5)
```

To fix it, run the Command Prompt with **Administrative Privileges** – right click on the command prompt icon, select run as administrator.