Instructions for Installing MongoDB on your personal computers running Windows

Overview

Use this tutorial to install MongoDB on Windows systems.

Platform Support:

Starting in version 2.2, MongoDB does not support Windows XP. Please use a more recent version of Windows to use more recent releases of MongoDB.

Important:

If you are running any edition of **Windows Server 2008 R2** or **Windows 7**, please install [a hotfix to resolve an issue with memory mapped files on Windows](#).

Download MongoDB for Windows

- **For this class, we are going to use MongoDB 3.6.x for 64-bit version and run on Windows 64 bit system. If you have other operating systems (MAC, UNIX), use the appropriate version.**

Tip

To find which version of Windows you are running, enter the following command in the *Command Prompt*:

```
wmic os get osarchitecture
```

1. Download the latest stable release of **MongoDB Community Server** from the [MongoDB downloads page](#). Ensure you download the correct version of MongoDB for your Windows system.
2. On your computer, find the downloaded MongoDB msi file.
    1. Double click the msi file to start the installation. When asked to *Choose Setup Type*, select *Complete*. Do not select the option to install *Compass*
    2. By default, mongoDB is installed in the Program Files directory.
    3. Locate the directory in Program Files and rename it `mongodb` and then move it to `c:\mongodb` (note you may need to move as an administrator.)

Note: MongoDB is self-contained and does not have any other system dependencies. You can run MongoDB from any folder you choose.

Run MongoDB

Set Up the Data Directory

MongoDB requires a *data folder* to store its files. The default location for the MongoDB data directory is `C:\data\db`. Create this folder using the *Command Prompt*. Go to the `C:\` directory and issue the following command sequence:

```
md data
md data\db
```

You can specify an alternate path for data files using the *--dbpath* option to `mongod.exe`.

Note: for ease of use, you should append **c:\mongodb\bin** to Windows path. That way, instead of typing **c:\mongodb\Server\3.6\bin\mongod** you can simply type **mongod** from anywhere in a command window. The following examples work regardless.

Start MongoDB

To start MongoDB, execute from the *Command Prompt*:

```
C:\mongodb\Server\3.6\bin\mongod.exe
```

This will start the main MongoDB database process. The `waiting for connections` message in the console output indicates that the mongod.exe process is running successfully.

Note: Depending on the security level of your system, Windows will issue a *Security Alert* dialog box about blocking "some features" of `C:\mongodb\Server\3.6\bin\mongod.exe` from communicating on networks. All users should select `Private Networks, such as my home or work network` and click `Allow access`. For additional information on security and MongoDB, please read the *Security Concepts* page.

Warning

Do not allow `mongod.exe` to be accessible to public networks without running in "Secure Mode" (i.e. `auth`.) MongoDB is designed to be run in "trusted environments" and the database does not enable authentication or "Secure Mode" by default.

Users can specify an alternate path for the database location with the `dbpath` setting for `mongod.exe`, as in the following example:

```
C:\mongodb\Server\3.6\bin\mongod.exe --dbpath d:\test\mongodb\data
```

If your path includes spaces, enclose the entire path in double quotations, for example:

```
C:\mongodb\Server\3.6\bin\mongod.exe --dbpath "d:\test\mongo db data"
```

Connect to MongoDB

Connect to MongoDB using the `mongo.exe` shell. Open another *Command Prompt* and issue the following command:

```
C:\mongodb\Server\3.6\bin\mongo.exe
```

The `mongo.exe` shell will connect to `mongod.exe` running on the localhost interface and port `27017` by default. At the `mongo.exe` prompt, issue the following two commands to insert a record in the `test` *collection* of the default `test` database and then retrieve that record:

```
db.test.insert( { a: 1 } )
db.test.find()
```