

Installing and running MongoDB

This lesson contains instructions on how to install and run MongoDB on a local machine.

WE'LL COVER THE FOLLOWING ^

- Downloading MongoDB
- Running MongoDB

Downloading MongoDB

MongoDB is free and open-source. You can download it from [here](#) after you select your operating system.

The screenshot shows the MongoDB download page. At the top, there are tabs for 'Community Server', 'Enterprise Server', 'Ops Manager', 'Compass', and 'Connector for BI'. The 'Community Server' tab is active. Below the tabs, there's a section for 'Current Stable Release (3.4.6)' with links for 'Release Notes' and 'Changelog'. The download source is listed as 'tgz' or 'zip'. There are buttons for 'Windows', 'Linux', 'OSX', and 'Solaris'. The 'Windows' button is highlighted, and a dropdown menu shows the selected version: 'Windows Server 2008 R2 64-bit and later, with SSL support x64'. Below this, there's a 'DOWNLOAD (msi)' button. At the bottom, there are links for 'Installation Instructions' and 'All Version Binaries'.

You can find more OS specific set up instructions [here](#).

Running MongoDB

After installation, a user can run a MongoDB server by using the command:

```
mongod --dbpath PATH_TO_THE_DIR
```

The Shell should look like something like this:

```
cd C:\Program Files\MongoDB\bin

mongod --dbpath F:\NodeApplications\MongoDbData
2017-07-23T12:01:40.358+0200 I CONTROL [initandlisten] MongoDB starting : pid=3648 port=27017 dbpath=F:\NodeApplications\MongoDbData 64-bit host=vanjanikola
2017-07-23T12:01:40.362+0200 I CONTROL [initandlisten] targetMinOS: Windows 7/Windows Server 2008 R2
2017-07-23T12:01:40.363+0200 I CONTROL [initandlisten] db version v3.4.1
2017-07-23T12:01:40.364+0200 I CONTROL [initandlisten] git version: 5e103c4f5583e2566a45d740225dc250baacfb7
2017-07-23T12:01:40.364+0200 I CONTROL [initandlisten] allocator: tcmalloc
2017-07-23T12:01:40.364+0200 I CONTROL [initandlisten] modules: none
2017-07-23T12:01:40.365+0200 I CONTROL [initandlisten] build environment:
2017-07-23T12:01:40.365+0200 I CONTROL [initandlisten] distmod: 2008plus
2017-07-23T12:01:40.366+0200 I CONTROL [initandlisten] distarch: x86_64
2017-07-23T12:01:40.366+0200 I CONTROL [initandlisten] target_arch: x86_64
2017-07-23T12:01:40.366+0200 I CONTROL [initandlisten] options: { storage: { dbPath: "F:\NodeApplications\MongoDbData"
} }
2017-07-23T12:01:40.420+0200 W - [initandlisten] Detected unclean shutdown - F:\NodeApplications\MongoDbData\mongod.lock is not empty.
2017-07-23T12:01:40.430+0200 I - [initandlisten] Detected data files in F:\NodeApplications\MongoDbData created by the 'wiredTiger' storage engine, so setting the active storage engine to 'wiredTiger'.
2017-07-23T12:01:40.431+0200 W STORAGE [initandlisten] Recovering data from the last clean checkpoint.
2017-07-23T12:01:40.432+0200 I STORAGE [initandlisten] wiredtiger_open config: create,cache_size=2502M,session_max=20000,eviction=(threads_max=4),config_base=false,statistics=(fast),log=(enabled=true,archive=true,path=journal,compressor=snappy),file_manager=(close_idle_time=100000),checkpoint=(wait=60,log_size=2GB),statistics_log=(wait=0),
2017-07-23T12:01:41.938+0200 I CONTROL [initandlisten]
2017-07-23T12:01:41.939+0200 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2017-07-23T12:01:41.939+0200 I CONTROL [initandlisten] ** Read and write access to data and configuration is unrestricted.
2017-07-23T12:01:41.940+0200 I CONTROL [initandlisten]
2017-07-23T12:01:43.471+0200 I FTDC [initandlisten] Initializing full-time diagnostic data capture with directory '
```

As you can see, the MongoDB server is initially started on port 27017. This can be changed by using the additional parameter `-port` :

```
mongod -port PORT_NUMBER -dbpath PATH_TO_THE_DIR
```

That is how to install and run MongoDB on your local machine!