Installing and running MongoDB

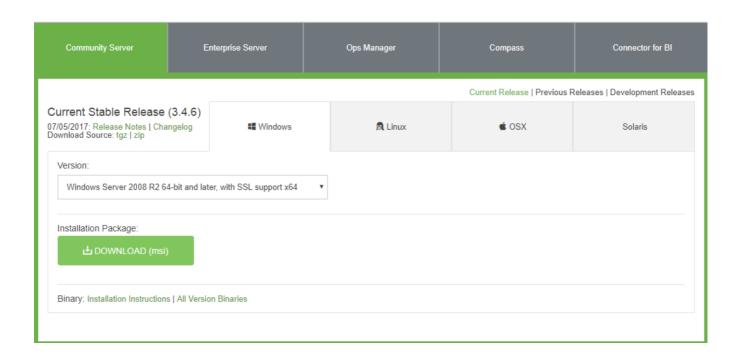
This lesson contains instructions on how to install and run MongoDB on a local machine.

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.



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:\NodeApplicatio
ns\MongoDbData 64-bit host=vanjanikola
distmod: 2008plus
distarch: x86_64
2017-07-23T12:01:40.365+0200 I CONTROL [initandlisten] 2017-07-23T12:01:40.366+0200 I CONTROL [initandlisten]
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"
                                                                        [initandlisten] Detected unclean shutdown - F:\NodeApplications\MongoDbData\mon
2017-07-23T12:01:40.420+0200 W -
god.lock is not empty.
2017-07-23T12:01:40.430+0200 I
                                                                        [initandlisten] Detected data files in F:\NodeApplications\MongoDbData created
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=200
00,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]
                                                                        [initandlisten] Initializing full-time diagnostic data capture with directory '
2017-07-23T12:01:43.471+0200 I FTDC
```

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!