MongoDB Guide

Installing MongoDB (Windows)

- Download and run the .msi file from www.mongodb.org/downloads
- Read and accept the end user agreement
- Select "Complete" from the "Choose Setup Type" window
- Select "Install MongoDB Compass" from the "Install MongoDB Compass" window and select next
- Install
- After the installation is complete select "Finish"
- Mongo Compass should automatically open and require you to accept the end user agreement
- Read and accept the end user agreement
- Select your preferred privacy settings and "Start Using Compass"
- Close Mongo Compass

Running MongoDB

- By default, MongoDB is installed at c:\Program Files\MongoDB\Server\<version>\
- The bin directory contains the executable file to run Mongo
- MongoDB requires a directory to store the data files and by default searches the C drive for a directory named \data\db
- Using the command line, navigate to the C drive and create the required \data\db directories
  - md \data\db
- Start Mongo using mongod.exe
  - Navigate to your installation's bin directory (c:\Program Files\MongoDB\Server\<version>\bin\
  - Enter **mongod.exe**
- If successful, you should see the following text, "waiting for connections on port 27017"
- By default, Mongo listens on port 27017

Installing MongoDB (macOS)

Source: https://docs.mongodb.com/manual/tutorial/install-mongodb-on-os-x/#run-mongodb

1. Download the binaries from the MongoDB Download Center
2. Extract the files from the download archive
    - tar -zxvf mongodb-osx-ssl-x86_64-3.6.4.tgz
3. Copy the extracted archive to the target directory
    - mkdir -p mongodb
    - cp -R -n mongodb-osx-ssl-x86_64-3.6.4/ mongodb
4. Ensure the location of the binaries is in the PATH variable
    - export PATH=<mongodb-install-directory>/bin:$PATH

Run MongoDB (macOS)

1. Create the data directory
    - mkdir -p /data/db
2. Set permissions for the data directory
    - Ensure the user account running mongod has read and write permissions for the directory.
3. Run MongoDB (without specifying paths)
    - Mongod
4. Run MongoDB (specify the path of the mongod)
    - <path to binary>/mongod
5. Run MongoDB (specify the path to the data directory)
    - mongod --dbpath <path to data directory>
6. Verify that MongoDB has started
    - The output should be visible in the terminal or shell window
    - [initandlisten] waiting for connections on port 27017
7. Being using MongoDB
    - mongo --host 127.0.0.1:27017
8. Stop MongoDB
    - Control+C

MongoDB Connection Test

- Open Mongo Compass
- Connect to Host
  - Hostname: localhost
  - Port: 27017
  - Authentication: none
  - Replica Set Name: Leave it blank
  - Read Preference: Primary
  - SSL: None
  - SSH Tunnel: None
  - Favorite Name: Leave it blank
  - Connect
- There should be two active databases
  - admin
  - local

Uninstall Mongo

- Use Window's Uninstall utility