

MongoDB Installation Guide

Comp 430/533

1 Install

1. Go to

`https://www.mongodb.com/download-center#community`

2. Download the community server for your platform
3. Install the software

2 Setup

1. Set up the data directory
`sudo mkdir -p /data/db`
2. Make sure you can write to the directory
3. If you want, set up aliases to make running the software easier. Use your own passwords!
For mac:
Add the path and / or aliases to `.bash_profile`
Be sure to update the path to the location of YOUR installation!

```
#mongodb
export PATH="/Users/rbm2/Documents/Technical/mongodb-osx-x86\_64-3.4.10/bin:$PATH"
```

I set up the alias `mdbd` for the mongodb daemon and `mdb` for the mongodb client, connecting to the `ricedb` database.

```
alias mdbd='mongod --auth --port 27017 --dbpath /data/db'
```

```
alias mdb='mongo --port 27017 -u "ricedb" -p "myPwd" --authenticationDatabase "ricedb" ricedb'
```

4. Start the server
`mongod --port 27017 --dbpath /data/db`
5. Connect to the mongodb instance
`mongo --port 27017`
6. Create the user administrator (in the admin authentication database).
In the code below, replace "myUserAdmin" with an admin account name and "abc123" with a password of your choice.

```

use admin
db.createUser(
  {
    user: "myUserAdmin",
    pwd: "mypwd",
    roles: [ "readWriteAnyDatabase", "userAdminAnyDatabase" ]
  }
)
exit

```

7. Re-start the MongoDB daemon with access control.
`mongod --auth --port 27017 --dbpath /data/db`
8. Connect and authenticate as the user administrator
 Again, replace the user name and password with the one you used.
`mongo --port 27017 -u "myUserAdmin" -p "abc123" --authenticationDatabase "admin"`
9. Create additional users as needed for your deployment (in ricedb database)

Choose your own password!

```

use ricedb
db.createUser(
  {
    user: "ricedb",
    pwd: "myPwd",
    roles: [ { role: "readWrite", db: "ricedb" } ]
  }
)
exit

```

10. Connect and authenticate as ricedb and connect to the ricedb database
`mongo --port 27017 -u "ricedb" -p "myPwd" --authenticationDatabase "ricedb" ricedb`

3 Run

1. Start the MongoDB instance with access control.
`mongod --auth --port 27017 --dbpath /data/db`
2. Start the instance with your user
`mongo --port 27017 -u "ricedb" -p "myPwd" --authenticationDatabase "ricedb" ricedb`