

# MongoDB Administration

## Installation

### Installation on Ubuntu with sudo

1. Get package signing key `sudo apt-key adv -keyserver hkp://keyserver.ubuntu.com:80 -recv EA312927`
2. Create package list file `echo "deb http://repo.mongodb.org/apt/ubuntu $VERSION/mongodb-org/3.2 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-3.2.list` with `$VERSION: 12.04 = precise ; 14.04 = trusty ; 16.04 = xenial`
3. Reload local packages `sudo apt-get update`
4. Install `sudo apt-get install -y mongodb-org`

### Install from source

1. Download tarball `curl -O https://fastdl.mongodb.org/linux/mongodb-linux-x86_64-3.4.0-rc4.tgz`
2. Untar `tar -zxvf mongodb-linux-x86_64-3.4.0-rc4.tgz`
3. Move to directory `mkdir -p mongodb ; cp -R -n mongodb-linux-x86_64-3.4.0-rc4/ mongodb`
4. add to path

## Authentication

Create admin db

Create user with roles : `createUser(user:"",pwd:"",roles:["root"])` for superadmin root.

## Dump/restore

`mongodump/mongorestore`

## Import/Export

`mongoimport/mongoexport`

→ for importing from external source : csv, json

## RMongo

To install : depending on Java config, installation of RJava may require R CMD `javareconf` before.

**Commands** `mongo <- mongoDbConnect("test", "localhost", 27017)`  
`output <- dbGetQuery(mongo, "test_data", ' "foo" : "bar"')`  
`output <- dbGetQueryForKeys(mongo, "test_data", ' "foo" : "bar"', ' "foo" : 1')`  
`dbDisconnect(mongo)`