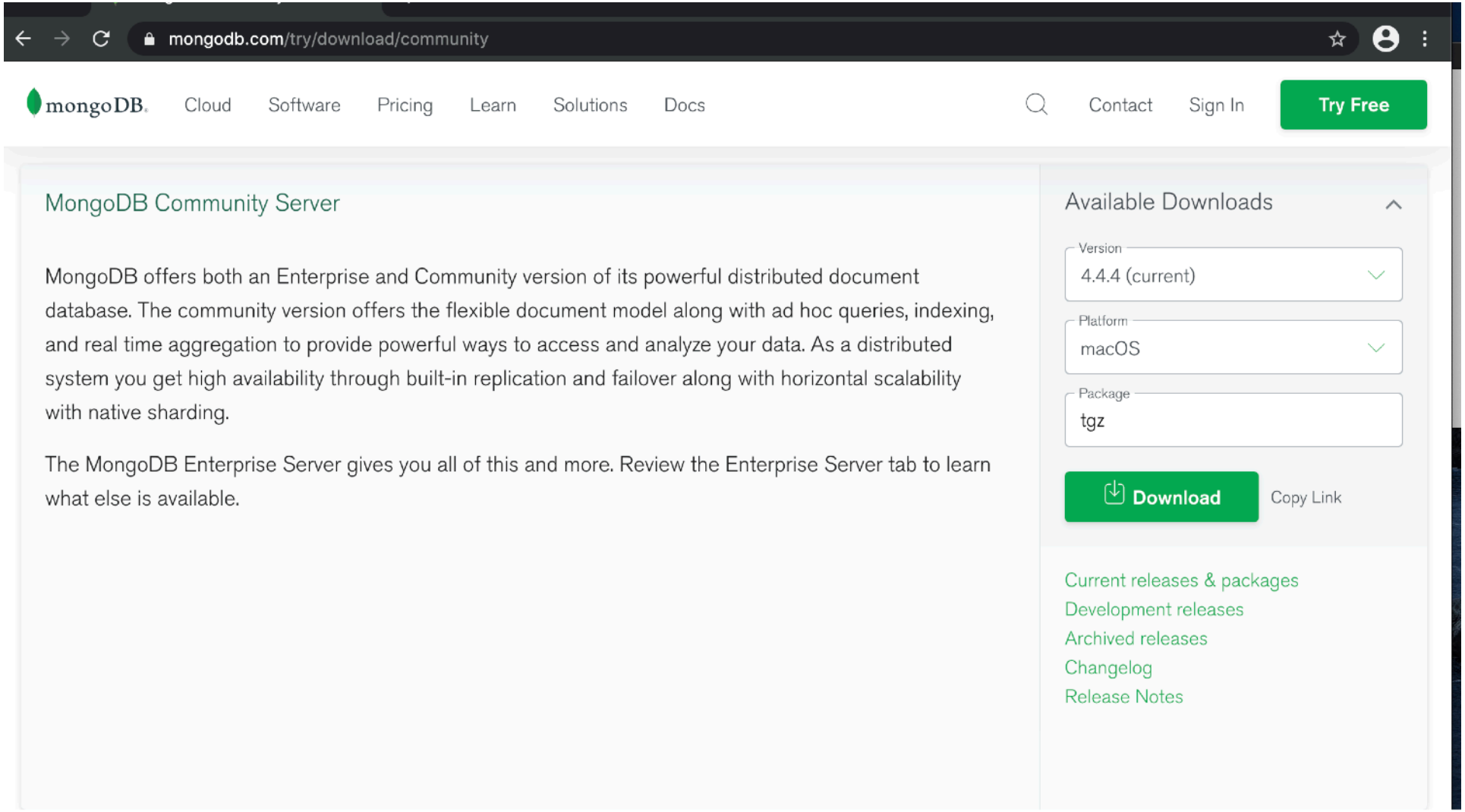
UNIVERSITÀ
DI TORINO

© Prof. Fabio Cravegna, Università di Torino

Download MongoDb

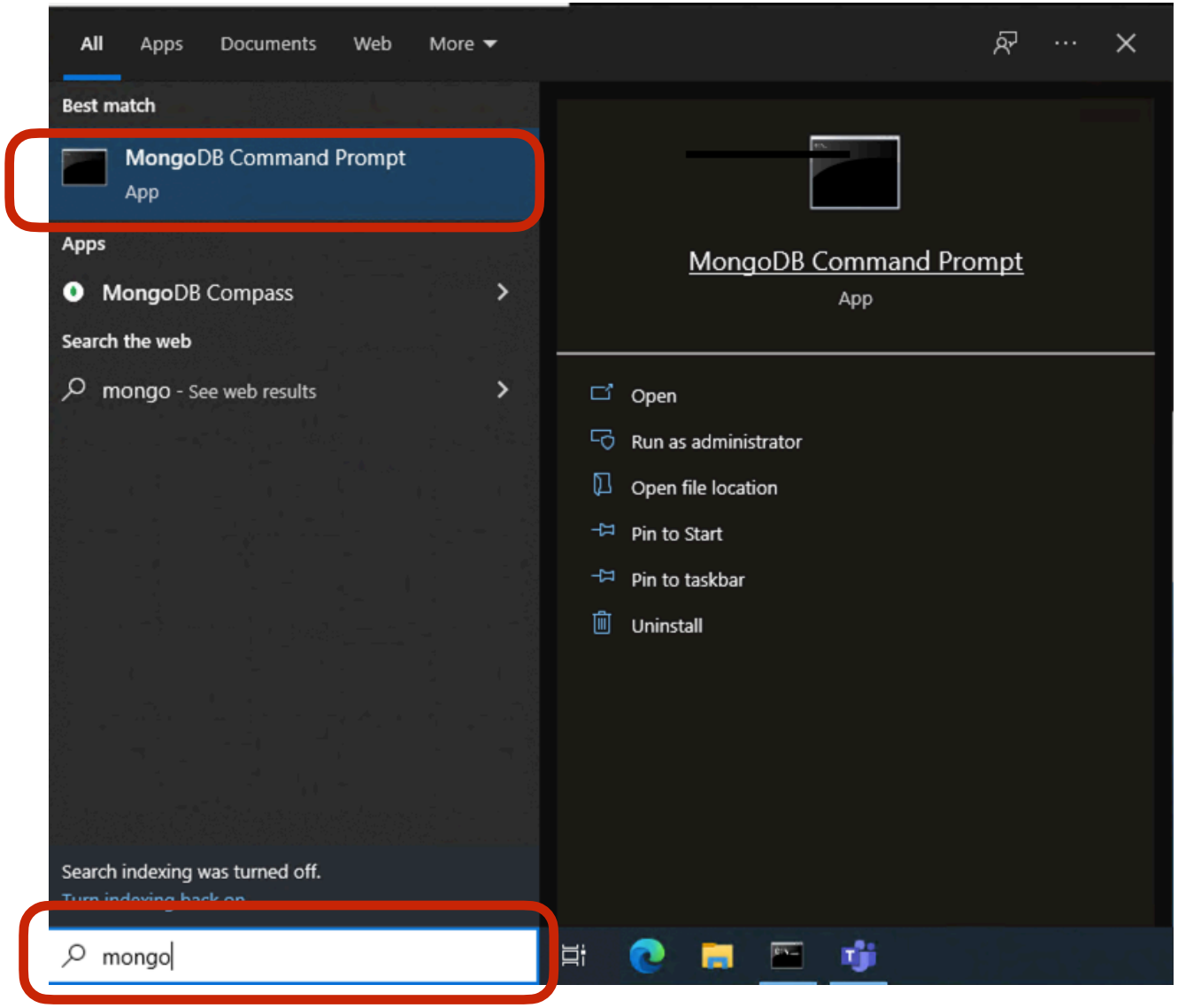


https://www.mongodb.com/try/download/community

© Prof. Fabio Ciravegna, Università di Torino

Managed Windows Computers

download from the Software Centre, then…



© Prof. Fabio Ciravegna, Università di Torino

UNIVERSITÀ DI TORINO

- to start mongo db
  - open the mongodb prompt
  - C:\> mkdir data/db
  - C:\> cd data
  - C:\> mkdir db
  - C:> >mongod --dbpath db --port 27017
    - this will make sure that mongo is on port 27017 and that the db directory is data/db

© Prof. Fabio Ciravegna, Università di Torino

UNIVERSITÀ DI TORINO

MongoDB Command Prompt - mongod --dbpath ./db --port 27017


```
{"t":{"$date":"2022-03-09T16:56:45.579+00:00"},"s":"I",  "c":"STORAGE",  "id":4366408, "ctx":"initandlist
able logging settings modifications are required for existing WiredTiger tables","attr":{"loggingEnabled"
{"t":{"$date":"2022-03-09T16:56:45.589+00:00"},"s":"I",  "c":"STORAGE",  "id":22262,   "ctx":"initandlist
stamp monitor starting"}
{"t":{"$date":"2022-03-09T16:56:45.596+00:00"},"s":"W",  "c":"CONTROL",  "id":22120,   "ctx":"initandlist
ss control is not enabled for the database. Read and write access to data and configuration is unrestrict
artupWarnings"]}
{"t":{"$date":"2022-03-09T16:56:45.596+00:00"},"s":"W",  "c":"CONTROL",  "id":22140,   "ctx":"initandlist
 server is bound to localhost. Remote systems will be unable to connect to this server. Start the server
<address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to
 If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning","tags":[
s"]}
{"t":{"$date":"2022-03-09T16:56:45.610+00:00"},"s":"I",  "c":"NETWORK",  "id":4915702, "ctx":"initandlist
ted wire specification","attr":{"oldSpec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":
ternalClient":{"minWireVersion":0,"maxWireVersion":13},"outgoing":{"minWireVersion":0,"maxWireVersion":13
ient":true},"newSpec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":13},"incomingInterna
ireVersion":13,"maxWireVersion":13},"outgoing":{"minWireVersion":13,"maxWireVersion":13},"isInternalClien
{"t":{"$date":"2022-03-09T16:56:45.616+00:00"},"s":"I",  "c":"STORAGE",  "id":5071100, "ctx":"initandlist
ring temp directory"}
{"t":{"$date":"2022-03-09T16:56:45.617+00:00"},"s":"I",  "c":"CONTROL",  "id":20536,   "ctx":"initandlist
 Control is enabled on this deployment"}
{"t":{"$date":"2022-03-09T16:56:46.059+00:00"},"s":"I",  "c":"FTDC",     "id":20625,   "ctx":"initandlist
ializing full-time diagnostic data capture","attr":{"dataDirectory":"./db/diagnostic.data"}}
{"t":{"$date":"2022-03-09T16:56:46.070+00:00"},"s":"I",  "c":"REPL",     "id":6015317, "ctx":"initandlist
ing new configuration state","attr":{"newState":"ConfigReplicationDisabled","oldState":"ConfigPreStart"}}
{"t":{"$date":"2022-03-09T16:56:46.075+00:00"},"s":"I",  "c":"NETWORK",  "id":23015,   "ctx":"listener","
 on","attr":{"address":"127.0.0.1"}}
{"t":{"$date":"2022-03-09T16:56:46.075+00:00"},"s":"I",  "c":"NETWORK",  "id":23016,   "ctx":"listener","
or connections","attr":{"port":27017,"ssl":"off"}}
```

on a Mac

```
administrator@Saturn Downloads % tar -xvzf mongodb-macos-x86_64-4.4.4.tgz
x mongodb-macos-x86_64-4.4.4/LICENSE-Community.txt
x mongodb-macos-x86_64-4.4.4/MPL-2
x mongodb-macos-x86_64-4.4.4/README
x mongodb-macos-x86_64-4.4.4/THIRD-PARTY-NOTICES
x mongodb-macos-x86_64-4.4.4/bin/install_compass
x mongodb-macos-x86_64-4.4.4/bin/mongo
x mongodb-macos-x86_64-4.4.4/bin/mongod
x mongodb-macos-x86_64-4.4.4/bin/mongos
administrator@Saturn Downloads %
```

Move the created folder into a suitable place, e.g. your home directory or somewhere under /lib

© Prof. Fabio Ciravegna, Università di Torino

on a Mac (2)

- mkdir ~/data/db
- sudo <**path to your mongo instance**>/bin/mongod --dbpath ~/data/db --port 27017

- if you want to keep it running:

- sudo <*path to your mongo instance*>/bin/mongod --dbpath /data/db --port 27017 —fork --logpath mongolog.log

© Prof. Fabio Ciravegna, Università di Torino

UNIVERSITÀ DI TORINO

Today's Lab Class

- We will modify one of the exercises from week 1
  - the one about getting the age of Micky Mouse
  - however, this time we will use MongoDb to get the age of Mickey Mouse
- We will first analyse a potential solution
  - Then you will be required to modify the solution to enhance it with an additional functionality

© Prof. Fabio Ciravegna, Università di Torino