

2025년 상반기 K-디지털 트레이닝

MongoDB 개요

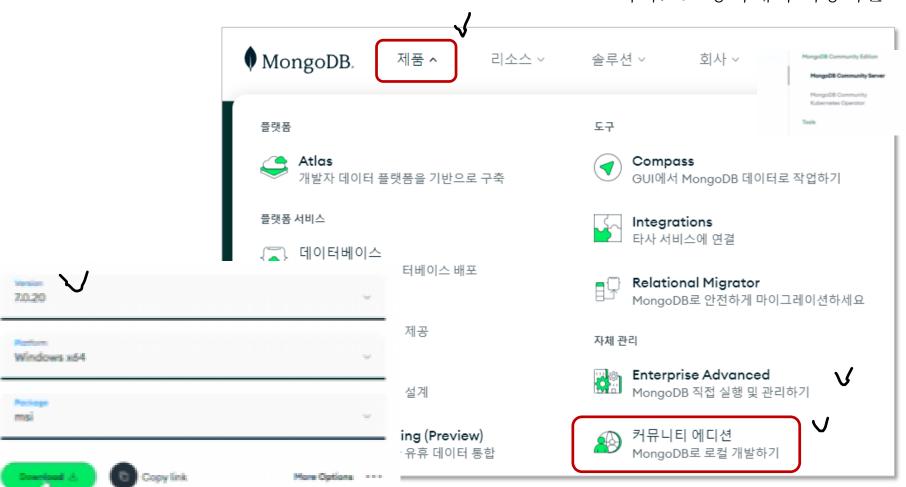
[KB] IT's Your Life



MongoDB 다운로드

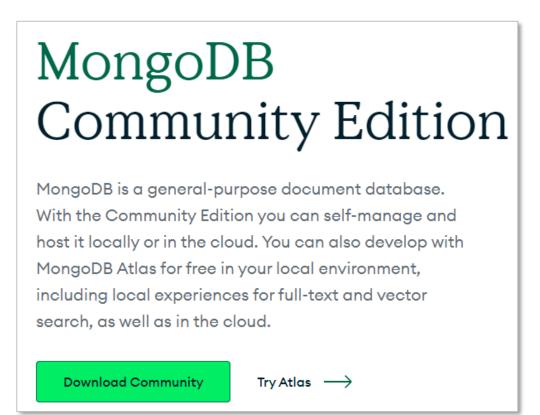
o https://www.mongodb.com/ ✓

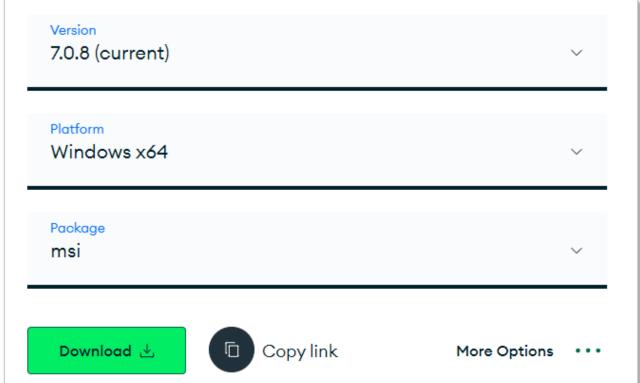
깔려있는 수동 운영버전이 아닌 직접 다운받는 서비스로 등록해서 사용하는 버전으로 다운받아 설치해라





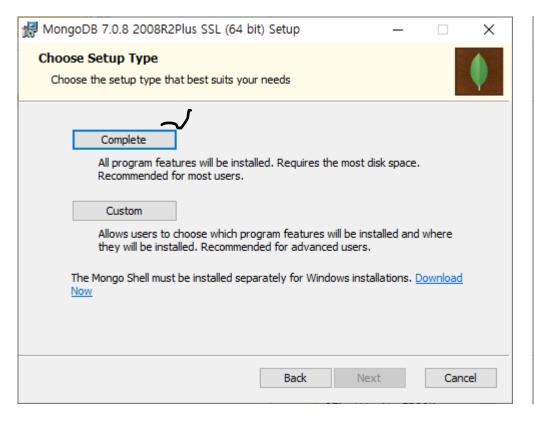
MongoDB 다운로드

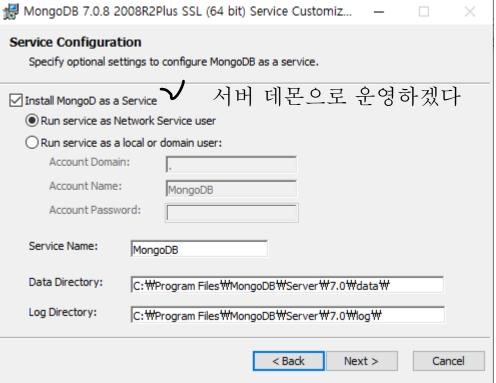




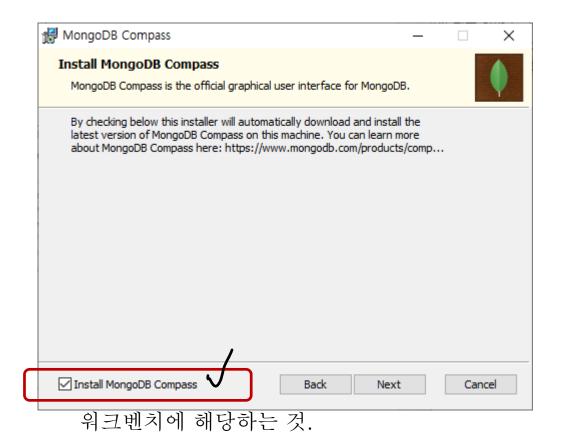
MongoDB 설치

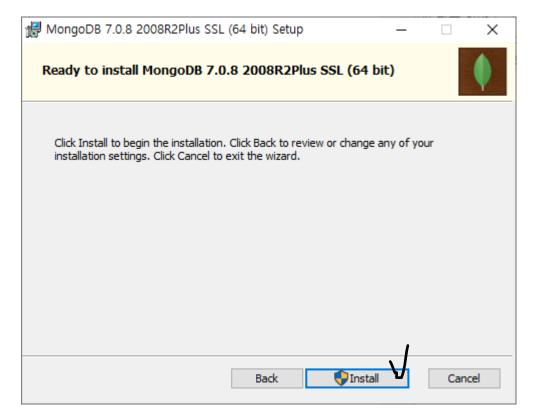
mongodb-windows-x86_64-7.0.8-signed.msi 실행 \ /

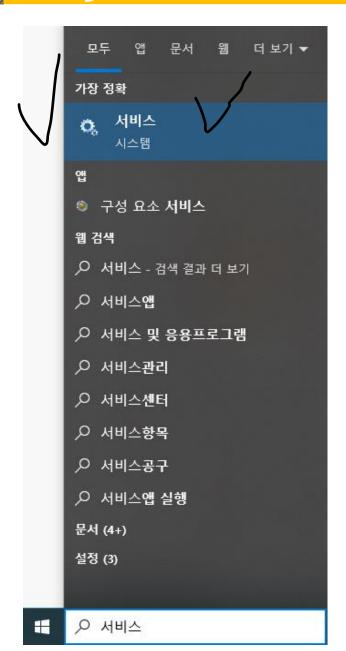




o mongodb-windows-x86_64-7.0.8-signed.msi 실행

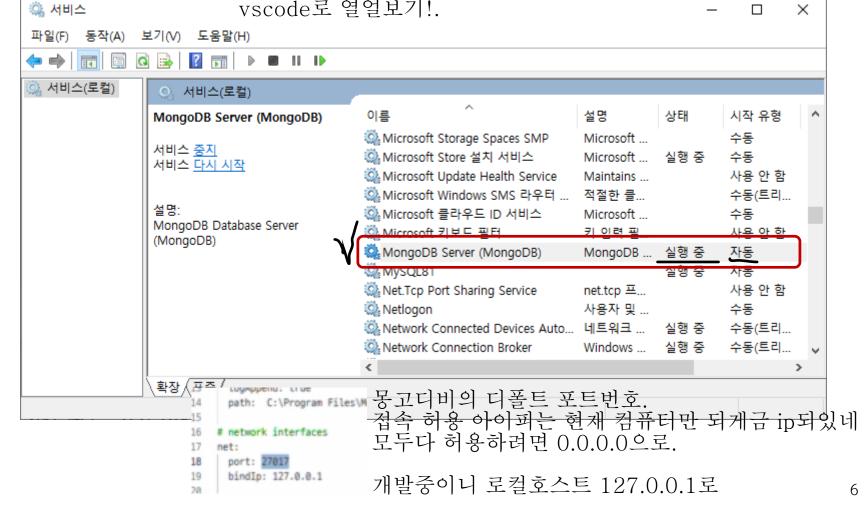






설치된 디렉토리들어가서 확인해보자.

mongod.exe 서버 프로그램임. 데몬임. mongo.cfg == 몽고디비 설정 파일 vscode로 열얼보기!.



MongoDB Shell 설치

#replication: 복제 기법

23

25

27

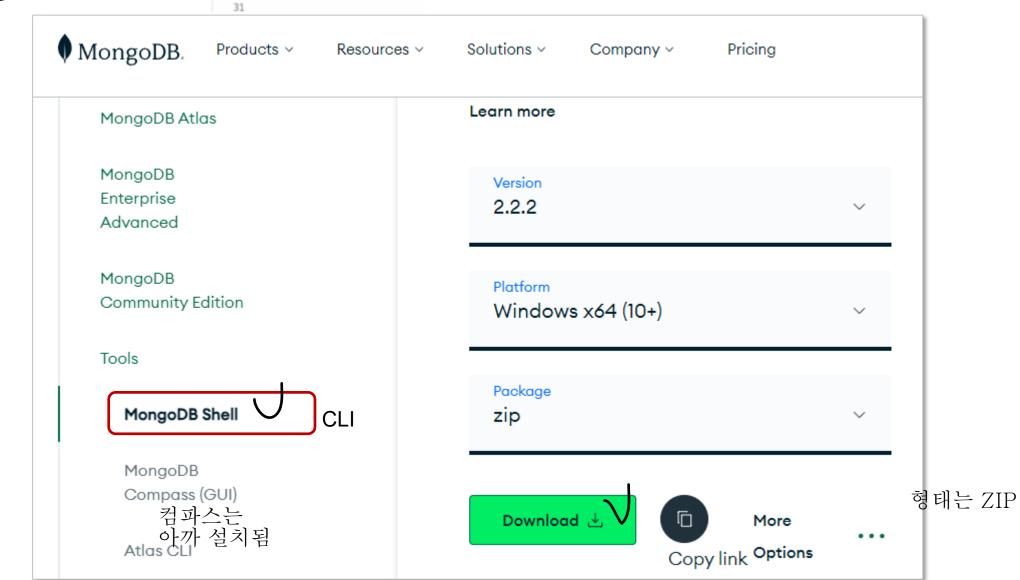
28

29

security:

#sharding:

샤딩 기법 관련 설정들



명령어 기반 클라이언트도 설치해라

새로 만들기(N)

편집(E)

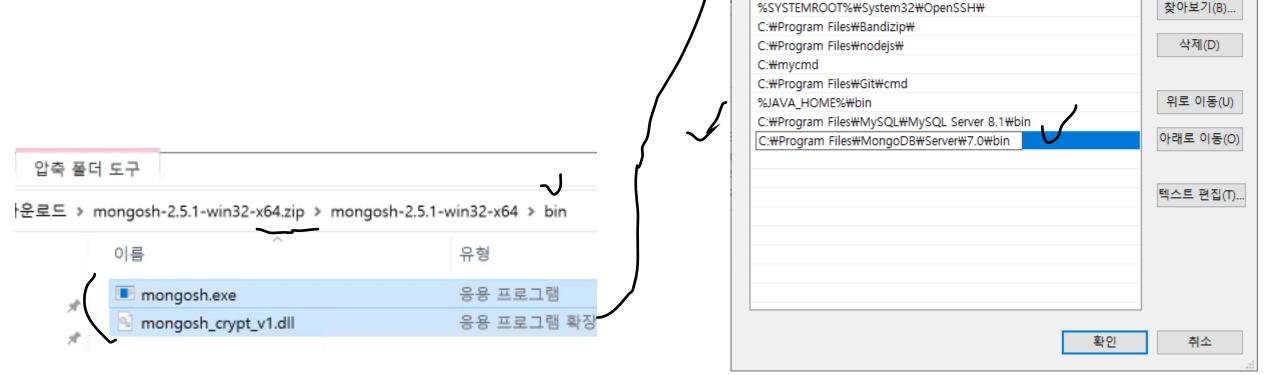
2 MongoDB Client

MongoDB Shell 설치

- o mongosh-2.2.2-win32-x64.zip
 - bin 폴더의 내용을 C:\Program Files\MongoDB\Server\7.0\bin에 복사

o PATH 환경변수 수정

■ C:₩Program Files₩MongoDB₩Server₩7.0₩bin을 추가



%SystemRoot%\system32

%SystemRoot%#System32#Wbem

%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\

%SystemRoot%

아까 패쓰 추가했으니까 어디서든 실행시킬수있죠 몽고 shell 실행 확인

컨피그에서 별도의 로그인 설정 안했으니 바로 접속됨 > mongosh

Please enter a MongoDB connection string (Default: mongodb://localhost/):

Current Mongosh Log ID: 660df366b9d4eae6259f9909

Connecting to:

mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mon

gosh+2.2.2

Using MongoDB: 7.0.8 Using Mongosh: 2.2.2

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).

You can opt-out by running the disable Telemetry() command.

The server generated these startup warnings when booting 2024-04-04T09:16:00.291+09:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

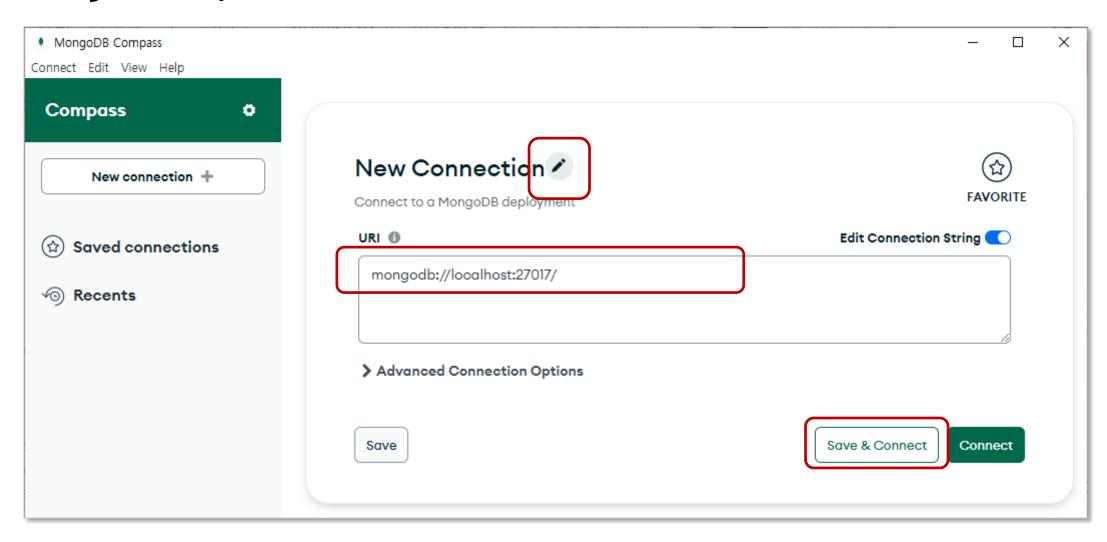
test>

몽고디비는 특징 : 생성할 필요 없다. 그냥 사용하는 순간 만들어짐

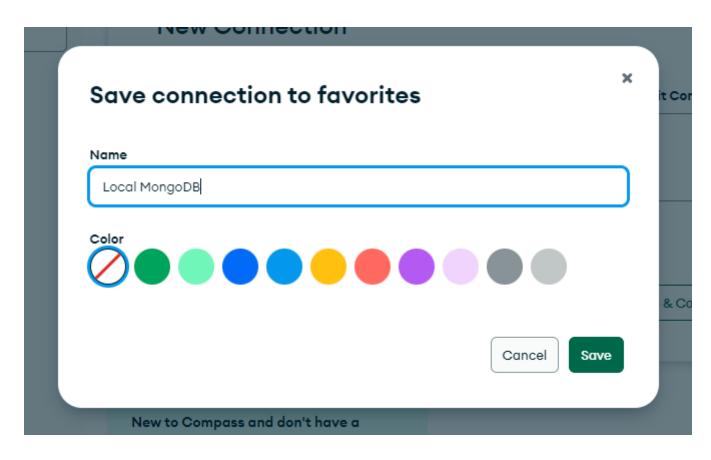
```
db라는 전역변수가 있다
use한 데이터베이스를 참조하고있다.
                               create database 필요X
test> use my_database
switched to db my database
my_database> db.users.insert({name: "Kyle"}) users라는 컬렉션. 컬렉션 이름은 복수형이 관례
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
 acknowledged: true,
 insertedIds: { '0': ObjectId('660df5956bc6400e4f9f990a') } √
my database > db.users.find()
                                                                        이제보니 자바스크립트 문법이네
[ { _id: ObjectId('660df5956bc6400e4f9f990a'), name: 'Kyle' } ] \forall
```

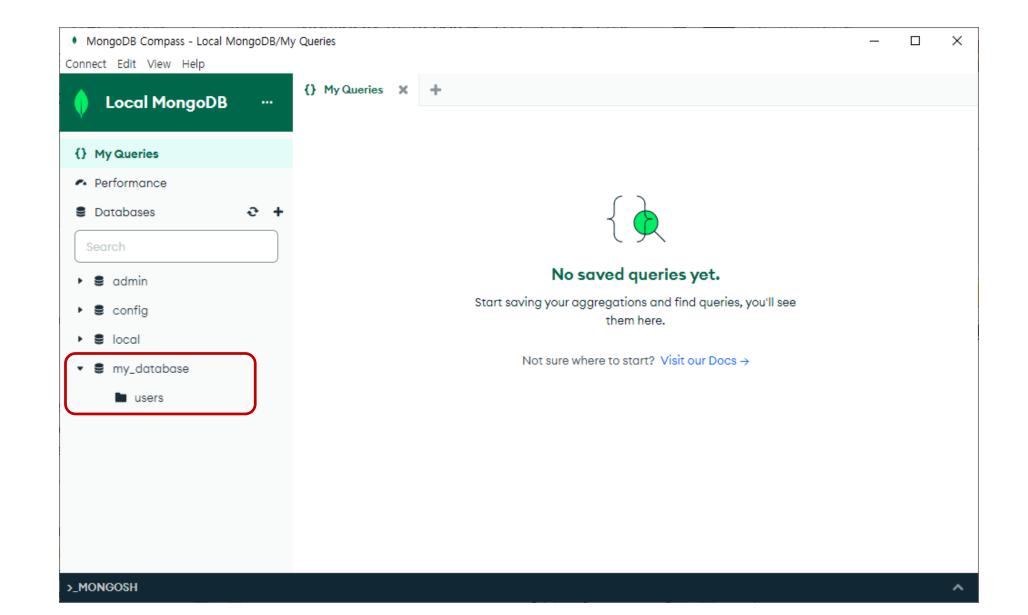
기본키==값이 오브젝트아이디라는 객체 내용은 UUID 전세계적으로 고유한 MongoDBCompass

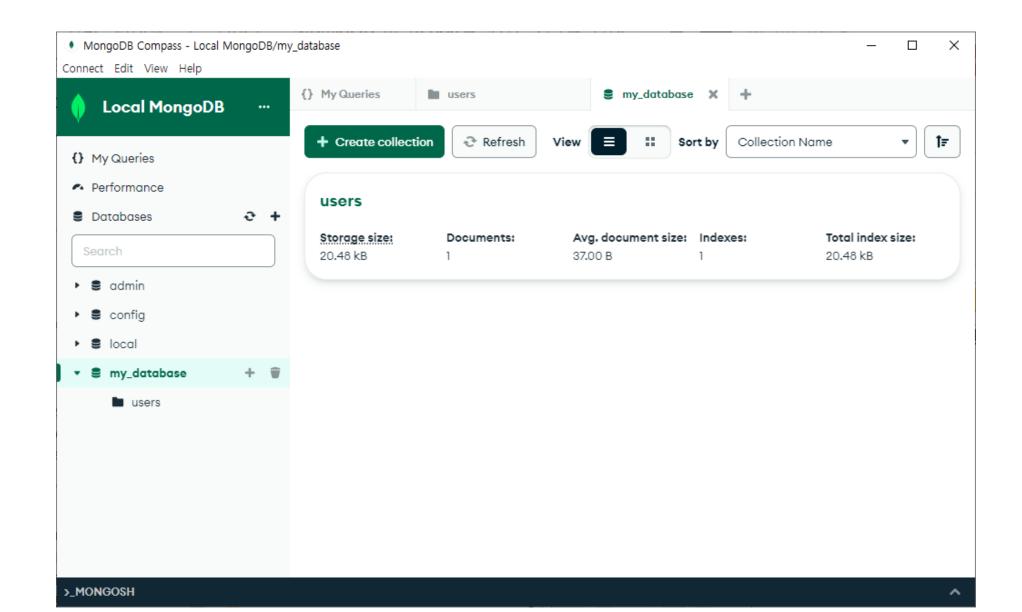
기능이 빈약함

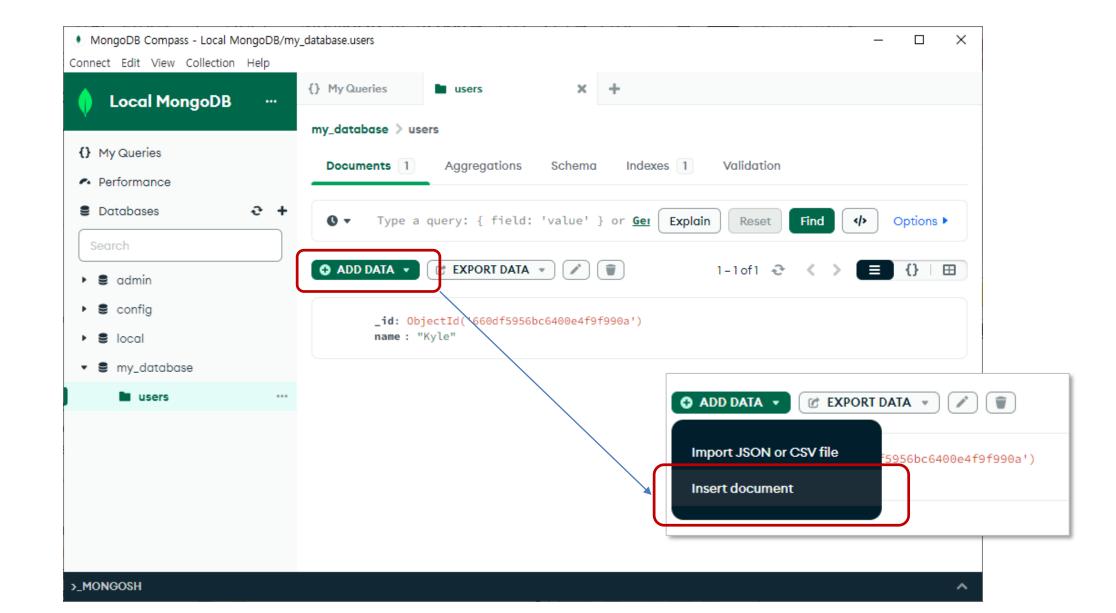


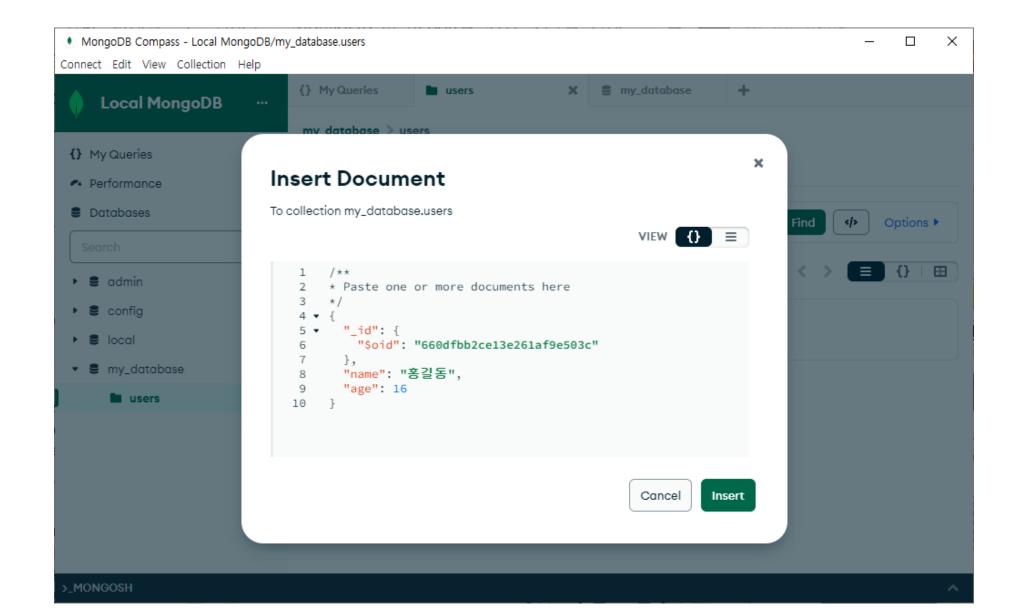
MongoDBCompass

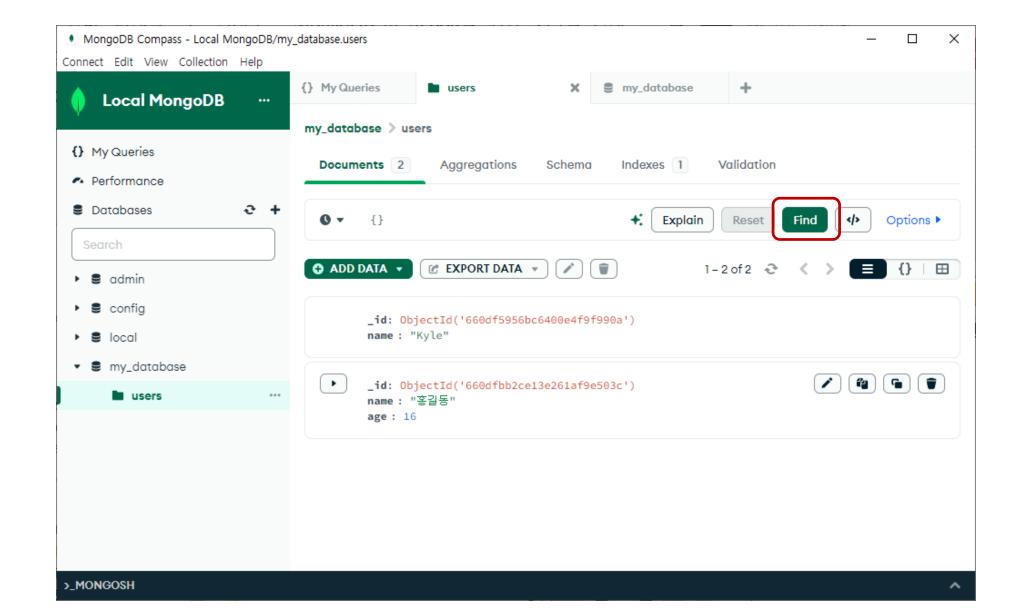






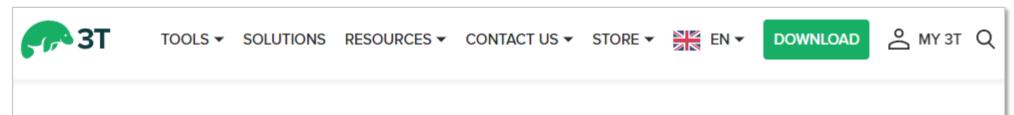






Studio 3T

- 우리가쓸꺼는 이거 몽고디비에서 제일 많이 사용하는 GUI 클랄이언트
- o https://studio3t.com/



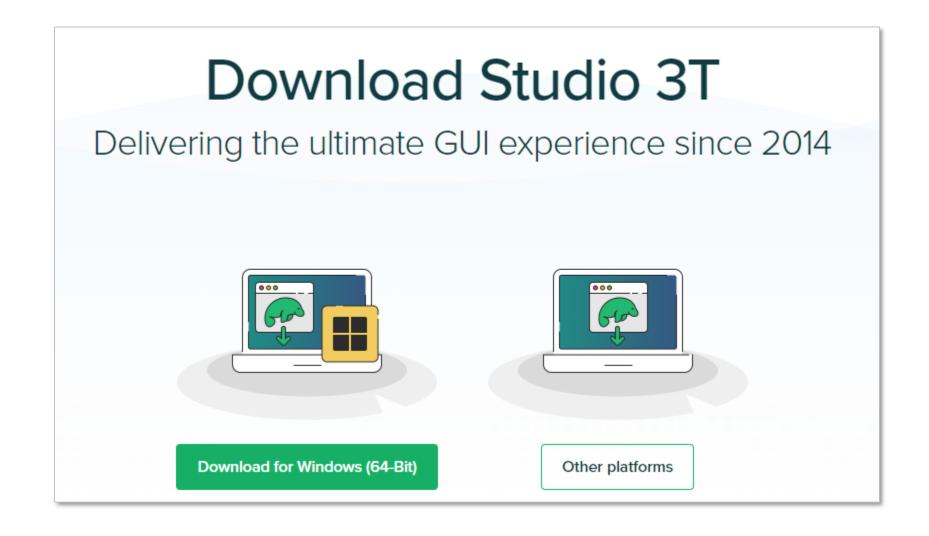
회원가입 필요

Studio 3T, the Ultimate GUI for MongoDB

All your IDE, client and GUI tools for MongoDB - on Atlas, or anywhere.

Try Studio 3T for free

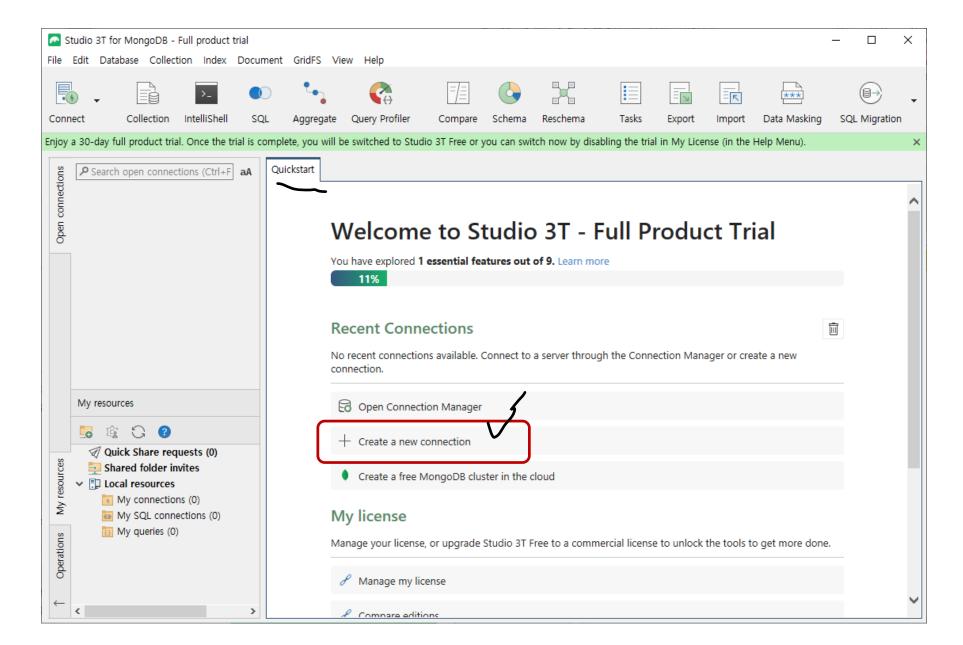
Studio 3T



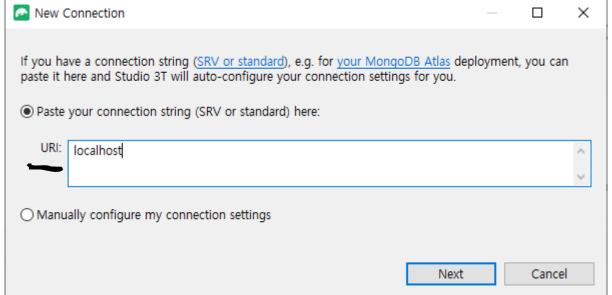
Studio 3T

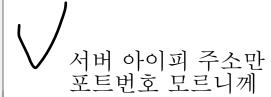
- studio-3t-x64.zip의 studio-3t-x64.exe 실행 ✓
 - 디폴트로 설치

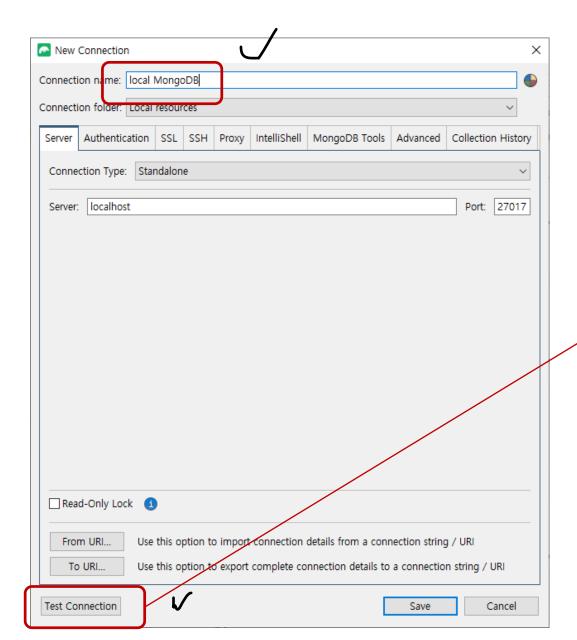
- - 필요한 경우 회원 가입

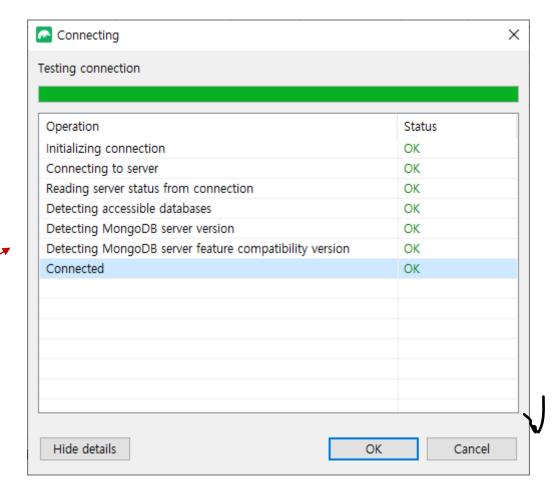


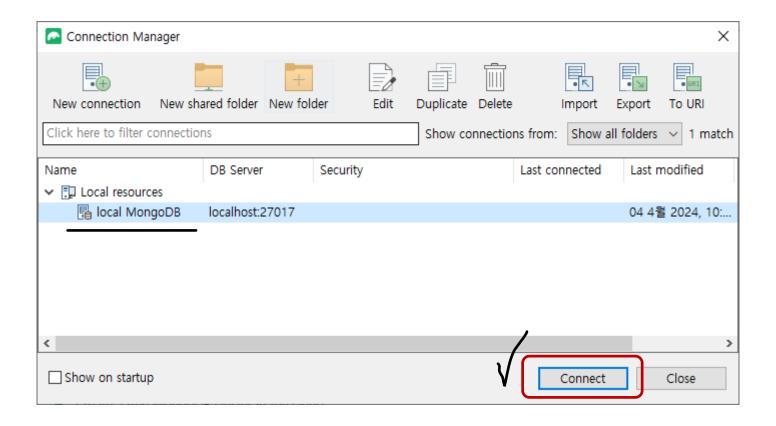
접속URL 지정











몽고쉘 아까쓴거

