

🌸 65. MongoDB

MongoDB란 Mongo와 DB 와의 합성어다.

- Mongo : Humongous의 줄임말 → 거대한
- 매우 큰 양의 데이터를 다룰 수 있는 데이터베이스 시스템을 지향하는 의미로 몽고라는 용어가 사용되었다.

MongoDB 설치하기

su -

vi /etc/yum.repos.d/mongodb-org-3.4.repo

[mongodb-org-3.4]

name=MongoDB Repository

baseurl=https://repo.mongodb.org/yum/redhat/\$releasever/mongodb-org/3.4/x86_64/

gpgcheck=1

enabled=1

gpgkey=https://www.mongodb.org/static/pgp/server-3.4.asc

yum install -y mongodb-org

systemctl enable mongod

systemctl start mongod

mongo

```
complete
[root@centos ~]# systemctl enable mongod
[root@centos ~]# systemctl start mongod
[root@centos ~]# mongo
MongoDB shell version v3.4.24
connecting to: mongodb://127.0.0.1:27017
MongoDB server version: 3.4.24
Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
  http://docs.mongodb.org/
Questions? Try the support group
  http://groups.google.com/group/mongodb-user
Server has startup warnings:
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten]
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten] ** WARNING: Access control is not enabled fo
r the database.
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten] **           Read and write access to data an
d configuration is unrestricted.
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten]
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten]
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten] ** WARNING: /sys/kernel/mm/transparent_hugep
age/enabled is 'always'.
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten] **           We suggest setting it to 'never'
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten]
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten] ** WARNING: /sys/kernel/mm/transparent_hugep
age/defrag is 'always'.
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten] **           We suggest setting it to 'never'
2024-01-25T14:31:52.580+0900 I CONTROL [initandlisten]
> █
```

MONGODB에 emp 테이블 생성하기

```
db.emp.save({empno:7499,ename:"SMITH",job:"CLERK",mgr:7902,hiredate:"1980-12-17",sal:1800,comm:8
db.emp.save({empno:7369,ename:"ALLEN",job:"SALESMAN",mgr:7698,hiredate:"1981-02-20",sal:1600,cor
```

```
db.emp.save({empno:7521,ename:"WARD",job:"SALESMAN",mgr:7698,hiredate:"1981-02-22",sal:1250,comm:0})
db.emp.save({empno:7566,ename:"JONES",job:"MANAGER",mgr:7839,hiredate:"1981-04-02",sal:2975,comm:0})
db.emp.save({empno:7654,ename:"MARTIN",job:"SALESMAN",mgr:7698,hiredate:"1981-09-28",sal:1250,comm:0})
db.emp.save({empno:7698,ename:"BLAKE",job:"MANAGER",mgr:7839,hiredate:"1981-05-01",sal:2850,comm:0})
db.emp.save({empno:7782,ename:"CLARK",job:"MANAGER",mgr:7839,hiredate:"1981-06-09",sal:2450,comm:0})
db.emp.save({empno:7788,ename:"SCOTT",job:"ANALYST",mgr:7566,hiredate:"1987-04-19",sal:3000,comm:0})
db.emp.save({empno:7839,ename:"KING",job:"PRESIDENT",mgr:0,hiredate:"1981-11-17",sal:5000,comm:0})
db.emp.save({empno:7844,ename:"TURNER",job:"SALESMAN",mgr:7698,hiredate:"1981-09-08",sal:1500,comm:0})
db.emp.save({empno:7876,ename:"ADAMS",job:"CLERK",mgr:7788,hiredate:"1987-05-23",sal:1100,comm:0})
db.emp.save({empno:7900,ename:"JAMES",job:"CLERK",mgr:7698,hiredate:"1981-12-03",sal:950,comm:0})
db.emp.save({empno:7902,ename:"FORD",job:"ANALYST",mgr:7566,hiredate:"1981-12-03",sal:3500,comm:0})
db.emp.save({empno:7934,ename:"MILLER",job:"CLERK",mgr:7782,hiredate:"1982-01-23",sal:1300,comm:0})
```