Mongo DB

Download & Install Mongo DB : <https://www.mongodb.com/download-center/community>

Step 1) Go to " C:\Program Files\MongoDB\Server\4.0\bin" and double click on mongo.exe. Alternatively, you can also click on the MongoDB desktop item : MongoDB Compass Community

var myMessage='Hello World';

printjson(myMessage);

"Hello World"

If you don't have above DB parameters, you can use below db.createuser()

use test\_db

db.createUser( { user: "root", pwd: "root", roles: [ { role: "readWrite", db: "db\_test" }], } ); OR else you can work with admin user.

db.createUser( { user: 'admin', pwd: 'password', roles: [ { role: 'root', db: 'admin' } ] } );

**Step2: Create a simple domain object.**

The @Document annotation identifies a domain object that is going to be persisted to MongoDB.  And the  @Id annotation identifies its id.

**Spring Boot with NoSQL**

Spring Data provides additional projects that help you access a variety of NoSQL technologies including [MongoDB](https://www.dineshonjava.com/2013/01/introduction-to-mongodb.html), Neo4J, Elasticsearch, Solr, Redis, Gemfire, Couchbase and Cassandra. Spring Boot provides auto-configuration for Redis, [MongoDB](https://www.dineshonjava.com/2013/01/introduction-to-mongodb.html), Neo4j, Elasticsearch, Solr and Cassandra.

**NoSQL MongoDB**

NoSQL is a non-relational database management system, different from traditional relational database management systems in some significant ways. MongoDb is a Open Source database written in C++. It can be used to store data for very high performance applications (for example Foursquare is using it in production).

MongoDB stores data as documents. So it is a document oriented database.

**MongoDB with Spring Boot & Spring Data**

**Spring Boot** and **Spring Data** make it even easier to get a simple application up and running. With a little bit of configuration and minimal code, you can quickly create and deploy a **MongoDB-based** application. Spring Boot offers several conveniences for working with MongoDB, including the**spring-boot-starter-data-mongodb** ‘**Starter**’.

**MongoTemplate vs MongoRepository**

* MongoTemplate provides a lot more control when it comes to querying data and what data to pull from database.
* Spring Data repositories provide us a convenient outlook on how to fetch data.
* MongoTemplate is database dependent. What this means is, with Spring Data repositories, you can easily switch to a different database altogether by simply using a different Spring Data repositories for MySQL or Neo4J or anything else. This is not possible with MongoTemplate.