

2 - Quick pickup of set up a SpringBoot App

1 Create a Standard Maven Project

2 make sure the Maven project has the following project structure:

```
springboot-hello
├── pom.xml
├── src
│   ├── main
│   │   ├── java
│   │   └── resources
│   │       ├── application.yml
│   │       ├── logback-spring.xml
│   │       ├── static
│   │       └── templates
└── target
```

3 application.yml is the default configuration file of Spring Boot. It adopts YAML format instead of .properties format. The file name must be application.yml instead of other names.

4 import all the dependencies in "pom.xml"

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
3         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5         http://maven.apache.org/xsd/maven-4.0.0.xsd">
6     <modelVersion>4.0.0</modelVersion>
7     <packaging>pom</packaging>
8     <parent>
9         <groupId>org.springframework.boot</groupId>
10        <artifactId>spring-boot-starter-parent</artifactId>
11        <version>2.3.6.RELEASE</version>
12        <relativePath/>
13    </parent>
14
15    <groupId>com.luxbp</groupId>
16    <artifactId>DataEngineSwarm</artifactId>
17    <version>0.0.1-SNAPSHOT</version>
```

```
18
19 <properties>
20     <maven.compiler.source>8</maven.compiler.source>
21     <maven.compiler.target>8</maven.compiler.target>
22     <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
23     <maven.compiler.source>1.8</maven.compiler.source>
24     <maven.compiler.target>1.8</maven.compiler.target>
25     <junit.version>4.12</junit.version>
26     <java.version>8</java.version>
27 </properties>
28
29 <dependencies>
30     <!--Spring Boot Web-->
31     <dependency>
32         <groupId>org.springframework.boot</groupId>
33         <artifactId>spring-boot-starter-web</artifactId>
34     </dependency>
35     <!--Spring Boot test-->
36     <dependency>
37         <groupId>org.springframework.boot</groupId>
38         <artifactId>spring-boot-starter-test</artifactId>
39         <scope>test</scope>
40     </dependency>
41     <!--junit test-->
42     <dependency>
43         <groupId>junit</groupId>
44         <artifactId>junit</artifactId>
45         <version>4.12</version>
46     </dependency>
47     <!--mysql driver-->
48     <dependency>
49         <groupId>mysql</groupId>
50         <artifactId>mysql-connector-java</artifactId>
51         <version>5.1.49</version>
52     </dependency>
53     <!--logback log-->
54     <dependency>
55         <groupId>ch.qos.logback</groupId>
56         <artifactId>logback-core</artifactId>
57     </dependency>
58     <!--Integrate mybatis-->
59     <dependency>
60         <groupId>org.mybatis.spring.boot</groupId>
61         <artifactId>mybatis-spring-boot-starter</artifactId>
62         <version>2.2.0</version>
63     </dependency>
64 </dependencies>
65
66
67 </project>
```

4 add entry method under /src/main/java/<package_name>

```
1 package com.luxbp;  
2  
3 import org.springframework.boot.SpringApplication;  
4 import org.springframework.boot.autoconfigure.SpringBootApplication;  
5 import org.springframework.cloud.netflix.eureka.server.EnableEurekaServer;  
6 @SpringBootApplication  
7 public class MicroServiceCloudEureka7001Application {  
8     public static void main(String[] args) {  
9         SpringApplication.run(MicroServiceCloudEureka7001Application.class, args);  
10    }  
11 }
```

5 Run!