# 狂神说SpringBoot09:整合MyBatis

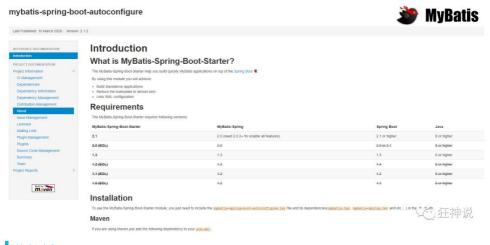
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狂神说SpringBoot系列连载课程,通俗易懂,基于SpringBoot2.2.5版本,欢迎各位狂粉转发关注学习。  ${}_*$ 未经作者授权,禁止转载



官方文档: http://mybatis.org/spring-boot-starter/mybatis-spring-boot-autoconfigure/

Maven仓库地址: https://mvnrepository.com/artifact/org.mybatis.spring.boot/mybatis-spring-boot-starter/2.1.1



## 整合测试

## 1、导入 MyBatis 所需要的依赖

<dependency> <groupId>org.mybatis.spring.boot</groupId> <artifactId>m
ybatis-spring-boot-starter</artifactId> <version>2.1.1</version></depend
ency>

2、配置数据库连接信息(不变)

spring: datasource: username: root password: 123456 #?serverTimez one=UTC解决时区的报错 url: jdbc:mysql://localhost:3306/springboot?serverTimez ezone=UTC&useUnicode=true&characterEncoding=utf-8 driver-class-name: com .mysql.cj.jdbc.Driver type: com.alibaba.druid.pool.DruidDataSource

#Spring Boot 默认是不注入这些属性值的,需要自己绑定 #druid 数据源专有配置 initialSize: 5 minIdle: 5 maxActive: 20 maxWait: 60000 timeBetwe enEvictionRunsMillis: 60000 minEvictableIdleTimeMillis: 300000 validationQuery: SELECT 1 FROM DUAL testWhileIdle: true testOnBorrow: false

testOnReturn: false poolPreparedStatements: true

#配置监控统计拦截的filters, stat:监控统计、log4j: 日志记录、wall: 防御sql注入 #如果允许时报错 java.lang.ClassNotFoundException: org.apache.log4j.Priority #则导入 log4j 依赖即可, Maven 地址: https://mvnrepository.com/artifact/log4j/ log4j filters: stat,wall,log4j maxPoolPreparedStatementPerConnectionS ize: 20 useGlobalDataSourceStat: true connectionProperties: druid.stat.mergeSql=true;druid.stat.slowSqlMillis=500

### 3、测试数据库是否连接成功!

### 4、创建实体类,导入 Lombok!

Department.java

```
package com.kuang.pojo;
import lombok.AllArgsConstructor;import lombok.Data;import lombok.NoArgsCon
structor;
@Data@NoArgsConstructor@AllArgsConstructorpublic class Department {
    private Integer id;    private String departmentName;
}
```

# 5、创建mapper目录以及对应的 Mapper 接口

DepartmentMapper.java

```
//@Mapper : 表示本类是一个 MyBatis 的 Mapper@Mapper@Repositorypublic interface
DepartmentMapper {
    // 获取所有部门信息    List<Department> getDepartments();
    // 通过id获得部门    Department getDepartment(Integer id);
}
```

### 6、对应的Mapper映射文件

DepartmentMapper.xml

#### 7、maven配置资源过滤问题

```
<resource> <resource> <directory>src/main/java</directory>
<includes> <include>**/*.xml</include> </includes>
<filtering>true</filtering> </resource></resources>
```

# 8、编写部门的 DepartmentController 进行测试!

```
@RestControllerpublic class DepartmentController { @Autowired DepartmentMapper departmentMapper; // 查询全部部门 @GetMapping("/getDepartments") public List<Department> getDepartments() { return departmentMapper.getDepartments(); } // 查询全部部门 @GetMapping("/getDepartment/{id}") public Department t getDepartment(@PathVariable("id") Integer id) { return departmentMapper.getDepartment(id); }
```

启动项目访问进行测试!

我们增加一个员工类再测试下,为之后做准备

1、新建一个pojo类 Employee;

```
@Data@AllArgsConstructor@NoArgsConstructorpublic class Employee {
    private Integer id;    private String lastName;     private String email;
    //1 male, 0 female    private Integer gender;    private Integer depart
ment;    private Date birth;
    private Department eDepartment; // 冗余设计
}
```

2、新建一个 EmployeeMapper 接口

3、编写 EmployeeMapper.xml 配置文件

```
<?xml version="1.0" encoding="UTF-8" ?><!DOCTYPE mapper</pre>
                                                      PUBLIC "-//m
ybatis.org//DTD Mapper 3.0//EN" "http://mybatis.org/dtd/mybatis-3-ma
pper.dtd">
<mapper namespace="com.kuang.mapper.EmployeeMapper">
   olumn="eid"/>
                 <result property="lastName" column="last name"/>
 <result property="email" column="email"/>
                                            <result property="gender"
column="gender"/> <result property="birth" column="birth"/>
association property="eDepartment" javaType="Department">
roperty="id" column="did"/>
                                 <result property="departmentName" co</pre>
lumn="dname"/>
                  </association> </resultMap>
   <select id="getEmployees" resultMap="EmployeeMap"> select e.id a
s eid, last name, email, gender, birth, d.id as did, d.department name as dname
```

#### 4、编写EmployeeController类进行测试

测试结果完成, 搞定收工!





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