#### Spring Boot

##### 之配置Druid高效数据库连接池

问题描述

Spring Boot 2.2.5

JDK 8

JDBC操作数据库分四步：

* 建立间接
* 执行事务
* 关闭连接
* 释放连接

其中只有【执行事务】为必要开销，其余三步均为overhead。为了解决开销，数据库连接池（中间件）应运而生。

常见的数据连接池包括：

* DBCP
* c3p0
* Druid

其中效率最高的属Alibaba捐赠的Apache Druid项目，所以又称高效数据库连接池

解决

1. 引入Maven依赖项

<dependency>

<groupId>com.alibaba</groupId>

<artifactId>druid</artifactId>

<version>1.1.22</version>

</dependency>

<dependency>

<groupId>com.sybase.jdbc</groupId>

<artifactId>jconn</artifactId>

</dependency>

1. 声明Data Source

druid-ds.properties

jdbc\_url=jdbc:sybase:Tds:10.74.170.6:3639?ServiceName=pmsdboes

jdbc\_user=dis

jdbc\_password=dis

druid-ds-context.xml

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:context="http://www.springframework.org/schema/context"

xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.xsd http://www.springframework.org/schema/context https://www.springframework.org/schema/context/spring-context.xsd">

<context:property-placeholder location="classpath:druid-ds.properties"/>

<bean id="dataSource" class="com.alibaba.druid.pool.DruidDataSource" init-method="init" destroy-method="close">

<property name="driverClassName" value="com.sybase.jdbc3.jdbc.SybDriver"/>

<property name="url" value="${jdbc\_url}" />

<property name="username" value="${jdbc\_user}" />

<property name="password" value="${jdbc\_password}" />

<property name="filters" value="stat" />

<property name="maxActive" value="20" />

<property name="initialSize" value="1" />

<property name="maxWait" value="60000" />

<property name="minIdle" value="1" />

<property name="timeBetweenEvictionRunsMillis" value="60000" />

<property name="minEvictableIdleTimeMillis" value="300000" />

<property name="testWhileIdle" value="true" />

<property name="testOnBorrow" value="false" />

<property name="testOnReturn" value="false" />

<property name="poolPreparedStatements" value="true" />

<property name="maxOpenPreparedStatements" value="20" />

<property name="asyncInit" value="true" />

</bean>

</beans>

笔记

1. jconn为Sybase IQ数据库驱动.

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