

Spring04

Aop 控制事务 (xml)

applicationContext.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<beans>
    <!-- 配置Service -->
    <bean id="accountService" class="com.itheima.service.impl.AccountServiceImpl">
        <!-- 注入dao -->
        <property name="accountDao" ref="accountDao"></property>
        <!--注入事务管理器-->
        <property name="txManager" ref="txManager"></property>-->
    </bean>
    <!--配置Dao对象-->
    <bean id="accountDao" class="com.itheima.dao.impl.AccountDaoImpl">
        <!-- 注入QueryRunner -->
        <property name="runner" ref="runner"></property>
        <!-- 注入ConnectionUtils -->
        <property name="connectionUtils" ref="connectionUtils"></property>
    </bean>
    <!--配置QueryRunner-->
    <bean id="runner" class="org.apache.commons.dbutils.QueryRunner" scope="prototype">
        <!--<constructor-arg name="ds" ref="dataSource"></constructor-arg-->
    </bean>
    <!-- 配置数据源 -->
    <bean id="dataSource" class="com.mchange.v2.c3p0.ComboPooledDataSource">
        <!--连接数据库的必备信息-->
        <property name="driverClass" value="com.mysql.jdbc.Driver"></property>
        <property name="jdbcUrl" value="jdbc:mysql://localhost:3306/itcastspring"></property>
        <property name="user" value="root"></property>
        <property name="password" value="root"></property>
    </bean>
    <!-- 配置Connection的工具类 ConnectionUtils -->
    <bean id="connectionUtils" class="com.itheima.utils.ConnectionUtils">
        <!-- 注入数据源-->
        <property name="dataSource" ref="dataSource"></property>
    </bean>
    <!-- 配置事务管理器-->
    <bean id="txManager" class="com.itheima.utils.TransactionManager">
        <!-- 注入ConnectionUtils -->
        <property name="connectionUtils" ref="connectionUtils"></property>
    </bean>
    <aop:config>
        <aop:pointcut id="pc" expression="execution(* com.itheima.service..*(..))"></aop:pointcut>
        <aop:aspect ref="txManager">
            <!--配置前置通知：开启事务-->
            <aop:before method="beginTransaction" pointcut-ref="pc"></aop:before>
            <!--配置后置通知：提交事务-->
            <aop:after-returning method="commitTransaction" pointcut-ref="pc"></aop:after-returning>
            <!--配置异常通知：回滚事务-->
            <aop:after-throwing method="rollbackTransaction" pointcut-ref="pc"></aop:after-throwing>
            <!--配置最终通知：释放连接-->
            <aop:after method="closeTransaction" pointcut-ref="pc"></aop:after>
        </aop:aspect>
    </aop:config>
</beans>
```

Aop 控制事务 (注解方式, 略)