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Spring에 JAP 적용하기

적용파일 목록

- context-hibernate.xml
- context-jpa-respository.xml

context-hibernate.xml

> Tip

아래 코드에서 두개만 고치면 된다.

<property name="dataSource" ref="" /> → context-datasource.xml 에 JPA로 사용할 DB정보의 bean ID
<property name="packagesToScan" value="" > → values는 패키지 정보를 입력

```
<?xml version="1.0" encoding="utf-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
  xmlns:context="http://www.springframework.org/schema/context"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans-4.0.xsd
  http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context-4.0.xsd">

    <!-- 컨테이너가 관리하는 EntityManager 생성, @PersistenceContext와 함께 사용 -->
    <bean id="entityManagerFactory"
class="org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean">
        <property name="dataSource" ref="egov.dataSource" />
        <!-- 어노테이션 매핑정보 스캔 -->
        <property name="packagesToScan" value="com" />
        <!-- 구현체별 자체 기능을 표준화 -->
        <property name="jpaVendorAdapter">
            <bean
class="org.springframework.orm.jpa.vendor.HibernateJpaVendorAdapter">
```

```
                <property name="showSql" value="true" />
                <property name="generateDdl" value="true" />
            </bean>
        </property>
        <!-- persistence.xml 설정정보와 함께 사용가능 -->
        <property name="jpaProperties">
            <props>
                <!-- <prop
key="hibernate.ejb.naming_strategy">org.hibernate.cfg.EJB3NamingStrategy</pr
op> -->
                <prop
key="hibernate.ejb.naming_strategy">org.hibernate.cfg.ImprovedNamingStrategy
</prop>
                <!-- hibernate 5 버전에서의 세팅 (4 버전은 위에껄 사용)-
             <prop key="hibernate.naming.implicit-
strategy">org.hibernate.boot.model.naming.ImplicitNamingStrategyLegacyJpaImp
l</prop>
             <prop key="hibernate.naming.physical-
strategy">org.hibernate.boot.model.naming.PhysicalNamingStrategyStandardImpl
</prop>
             -->
                <prop key="hibernate.hbm2ddl.auto">validate</prop>
                <prop
key="hibernate.dialect">org.hibernate.dialect.Oracle10gDialect</prop>
                <prop key="hibernate.show_sql">true</prop>
                <prop key="hibernate.format_sql">true</prop>
                <prop key="hibernate.use_sql_comments">true</prop>
                <prop key="hibernate.jdbc.batch_size">5</prop>
            </props>
        </property>
    </bean>

</beans>
```

context-jpa-respository.xml

> Tip

아래 코드에서 한개만 고치면 된다.

<jpa:repositories base-package=“”> → base-package=“” 는 패키지 정보 입력

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
  xmlns:jpa="http://www.springframework.org/schema/data/jpa"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans-4.0.xsd
```

```
  http://www.springframework.org/schema/data/jpa
http://www.springframework.org/schema/data/jpa/spring-jpa.xsd">

    <jpa:repositories base-package="com"></jpa:repositories>

</beans>
```

POM.xml

```
    <properties>
        <egovframework.jpa.version>3.7.0</egovframework.jpa.version>
        <hibernate.version>4.3.11.Final</hibernate.version>
    </properties>
    <dependencies>
        <dependency>
            <groupId>egovframework.rte</groupId>
            <artifactId>egovframework.rte.psl.data.jpa</artifactId>
            <version>${egovframework.jpa.version}</version>
        </dependency>

        <!-- Hibernate -->
        <dependency>
            <groupId>org.hibernate</groupId>
            <artifactId>hibernate-core</artifactId>
            <version>${hibernate.version}</version>
        </dependency>

        <dependency>
            <groupId>org.hibernate</groupId>
            <artifactId>hibernate-validator</artifactId>
            <version>5.4.2.Final</version>
        </dependency>
        <dependency>
            <groupId>org.springframework.data</groupId>
            <artifactId>spring-data-jpa</artifactId>
            <version>1.11.10.RELEASE</version>
            <exclusions>
                <exclusion>
                    <groupId>org.slf4j</groupId>
                    <artifactId>slf4j-api</artifactId>
                </exclusion>
                <exclusion>
                    <groupId>org.slf4j</groupId>
                    <artifactId>jcl-over-slf4j</artifactId>
                </exclusion>
            </exclusions>
        </dependency>
    </dependencies>
```

도봉산핵주먹, spring, jpa

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