



MyBatis

MyBatis

- **MyBatis**

SQL Mapper Framework로써 개발자가 JDBC 코드를 직접 작성하지 않아도 일부 기능들은 MyBatis가 직접 처리해주며, SQL을 XML파일에 작성하여 가독성이 좋음

MyBatis

• 설치 - 1

pom.xml에 아래 코드 작성

```
<!-- 스프링에서 JDBC 를 사용하기 위한 라이브러리 -->
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-jdbc</artifactId>
  <version>${org.springframework-version}</version>
</dependency>
<!-- 컨넥션 풀을 위한 라이브러리 -->
<dependency>
  <groupId>commons-dbcp</groupId>
  <artifactId>commons-dbcp</artifactId>
  <version>1.4</version>
</dependency>
<!-- 오라클 JDBC 드라이버 -->
<dependency>
  <groupId>com.oracle</groupId>
  <artifactId>ojdbc6</artifactId>
  <version>12.1.0.2</version>
</dependency>
<!-- MyBatis 라이브러리 -->
<dependency>
  <groupId>org.mybatis</groupId>
  <artifactId>mybatis</artifactId>
  <version>3.4.1</version>
</dependency>
<!-- 마이바티스와 스프링 연동을 위한 라이브러리 -->
<dependency>
  <groupId>org.mybatis</groupId>
  <artifactId>mybatis-spring</artifactId>
  <version>1.3.0</version>
</dependency>
```

```
<repositories>
  <repository>
    <id>oracle</id>
    <url>http://maven.jahia.org/maven2</url>
  </repository>
</repositories>
```

MyBatis

• 설치 - 2

pom.xml에 아래 코드 작성

```
<!-- 스프링에서 JDBC 를 사용하기 위한 라이브러리 -->
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-jdbc</artifactId>
  <version>${org.springframework-version}</version>
</dependency>

<!-- 컨택션 풀을 위한 라이브러리 -->
<dependency>
  <groupId>commons-dbcp</groupId>
  <artifactId>commons-dbcp</artifactId>
  <version>1.4</version>
</dependency>

<!-- 오라클 JDBC 드라이버 -->
<dependency>
  <groupId>com.oracle</groupId>
  <artifactId>ojdbc6</artifactId>
  <version>12.1.0.2</version>
</dependency>

<!-- MyBatis 라이브러리 -->
<dependency>
  <groupId>org.mybatis</groupId>
  <artifactId>mybatis</artifactId>
  <version>3.4.1</version>
</dependency>

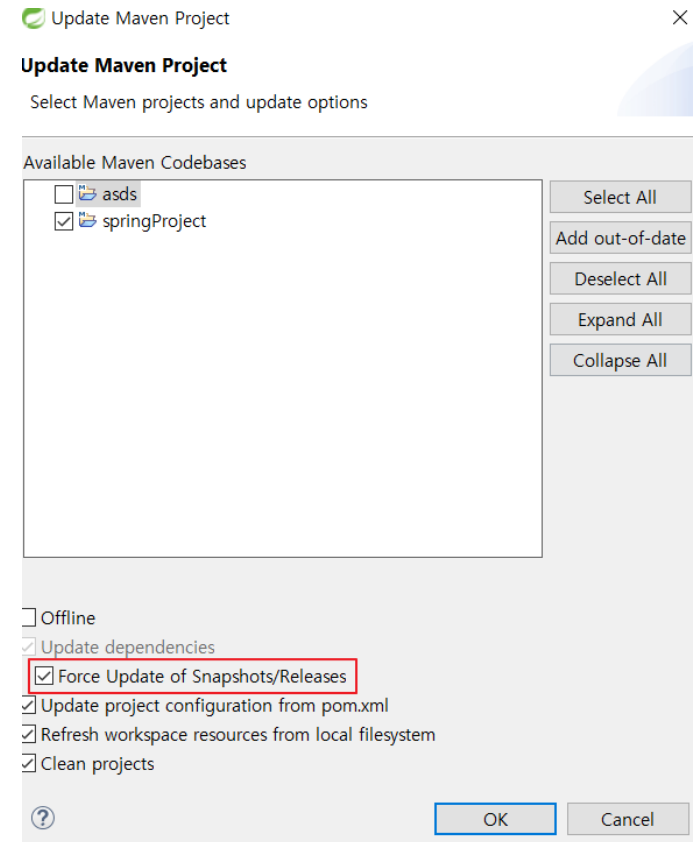
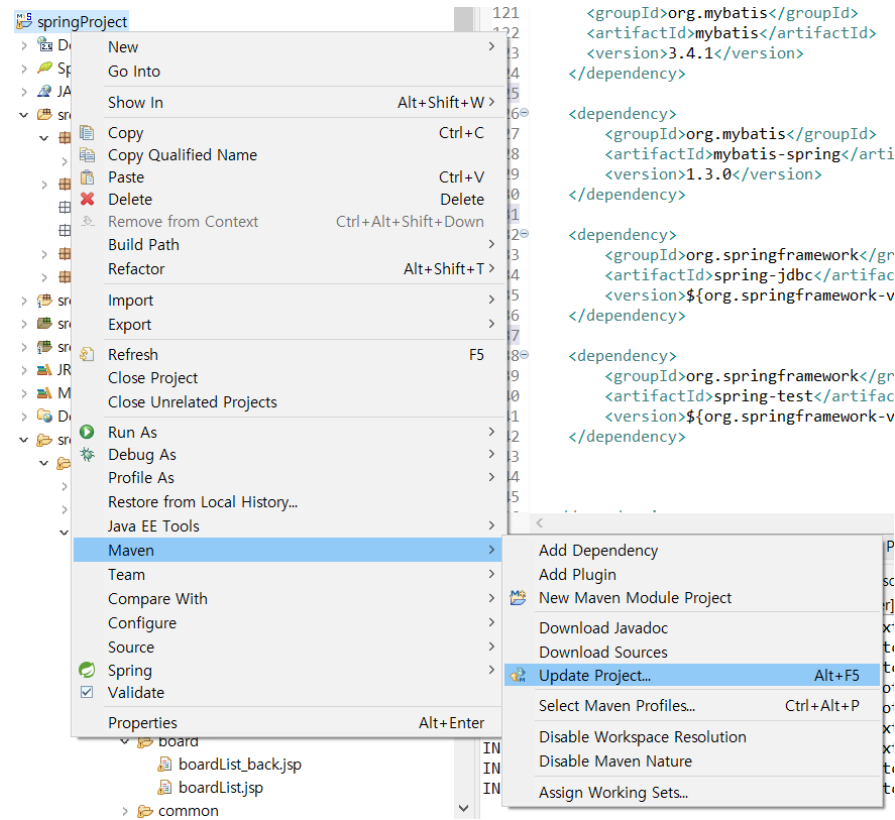
<!-- 마이바티스와 스프링 연동을 위한 라이브러리 -->
<dependency>
  <groupId>org.mybatis</groupId>
  <artifactId>mybatis-spring</artifactId>
  <version>1.3.0</version>
</dependency>
```

```
<properties>
  <java-version>1.6</java-version>
  <org.springframework-version>5.3.24</org.springframework-version>
  <org.aspectj-version>1.6.10</org.aspectj-version>
  <org.slf4j-version>1.6.6</org.slf4j-version>
</properties>
<repositories>
  <repository>
    <id>oracle</id>
    <url>http://maven.jahia.org/maven2</url>
  </repository>
</repositories>
<dependencies>
  <!-- Spring -->
  <dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-context</artifactId>
    <version>${org.springframework-version}</version>
    <exclusions>
      <!-- Exclude Commons Logging in favor of SLF4j -->
```

MyBatis

• 설치 - 3

프로젝트 우클릭 → Maven → Update Project → Force Update ... 체크 후 OK



MyBatis

• 설치 - 4

WEB-INF/spring/appServlet/servlet-context.xml 더블 클릭 후 Namespaces
이후 아래와 같이 체크 후 저장

Namespaces

Configure Namespaces

Select XSD namespaces to use in the configuration file

- ☒ aop - <http://www.springframework.org/schema/aop>
- ☒ beans - <http://www.springframework.org/schema/beans>
- ☐ c - <http://www.springframework.org/schema/c>
- ☐ cache - <http://www.springframework.org/schema/cache>
- ☒ context - <http://www.springframework.org/schema/context>
- ☒ jdbc - <http://www.springframework.org/schema/jdbc>
- ☐ jee - <http://www.springframework.org/schema/jee>
- ☐ lang - <http://www.springframework.org/schema/lang>
- ☐ mvc - <http://www.springframework.org/schema/mvc>
- ☒ mybatis-spring - <http://mybatis.org/schema/mybatis-spring>
- ☐ p - <http://www.springframework.org/schema/p>
- ☐ task - <http://www.springframework.org/schema/task>
- ☐ tx - <http://www.springframework.org/schema/tx>
- ☐ util - <http://www.springframework.org/schema/util>

MyBatis

• 설치 - 5

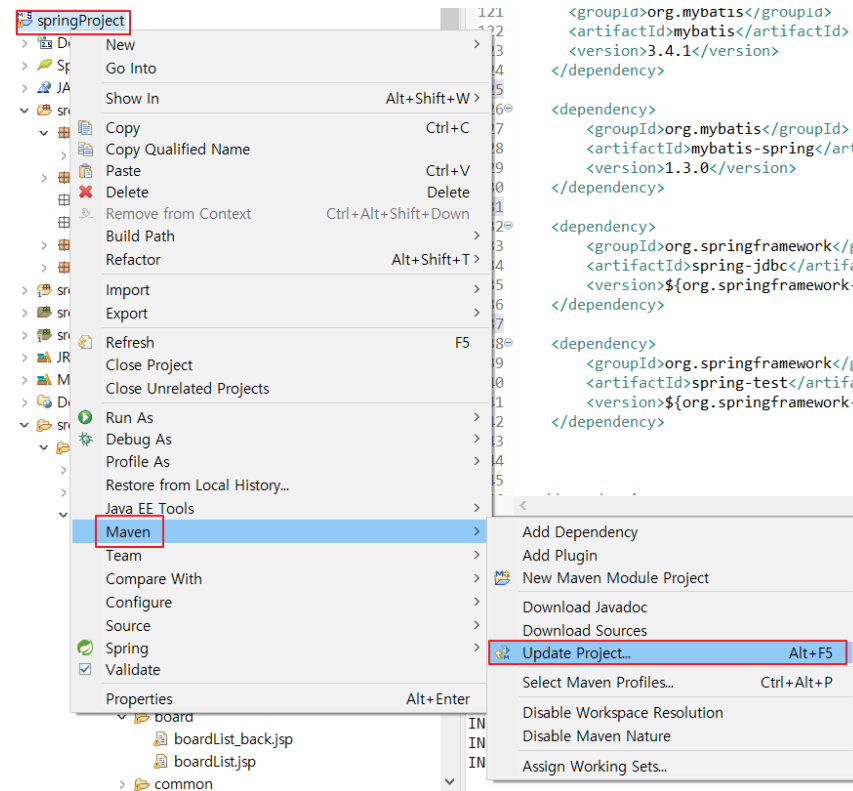
WEB-INF/spring/root-context.xml.xml에 아래 코드 작성

```
<!-- DB 연결 -->
<context:property-placeholder location="/config/*.properties" />
<bean class="org.apache.commons.dbcp.BasicDataSource" id="dataSource" destroy-method="close">
    <property name="driverClassName" value="oracle.jdbc.driver.OracleDriver"/>
    <property name="url" value="jdbc:oracle:thin:@localhost:1521:xe"/>
    <property name="username" value="아이디"/>
    <property name="password" value="비밀번호"/>
</bean>
<bean class="org.mybatis.spring.SqlSessionFactoryBean" id="sqlSessionFactory">
    <property name="configLocation" value="classpath:mybatis-config.xml"/>
    <property name="dataSource" ref="dataSource"/>
</bean>
<bean class="org.mybatis.spring.SqlSessionTemplate" id="sqlSession">
    <constructor-arg ref="sqlSessionFactory"> </constructor-arg>
</bean>
```

MyBatis

• 설치 - 6

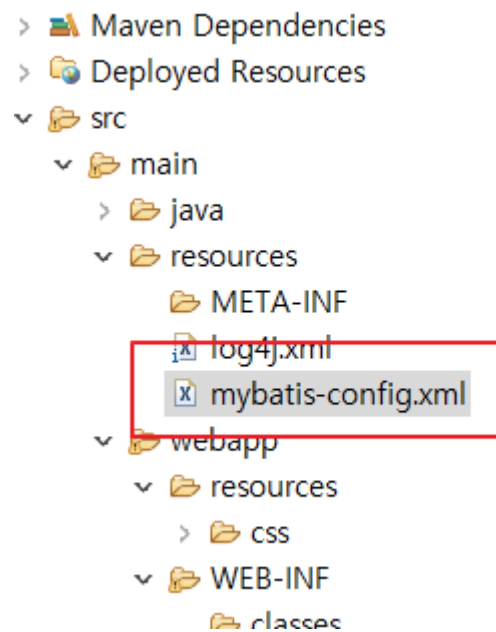
프로젝트 우클릭 → Maven → Update Project



MyBatis

• 설치 - 7

src/main/resources 폴더에 mybatis-config.xml 파일 생성



MyBatis

• 설치 - 8

mybatis-config.xml 파일에 아래 코드 입력

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE configuration PUBLIC "-//mybatis.org//DTD Config 3.0//EN" "http://mybatis.org/dtd/mybatis-3-config.dtd" >
<configuration>
    <settings>
        <setting name="jdbcTypeForNull" value="NULL" />
        <setting name="mapUnderscoreToCamelCase" value="true" />
    </settings>
</configuration>
```