



백엔드개발/자바스프링

스프링 프레임워크 중요 환경 설정(web.xml, dispatcher_servlet.xml, context.xml)

유익한 HULIA(휴리아) 2016.07.24 20:44



web.xml(파일위치 :WEB-INF/web.xml)

서블릿 배포 기술자이며 WAS가 최초 구동될 때, WEB-INF 디렉토리에 존재하는 web.xml을 읽고 웹 어플리케이션을 설정한다
여기에는 spring_servlet_context.xml의 위치도 넣어주게 되어있다

기본 구조(3.1버전)

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd" id="WebApp_ID" version="3.1">
```

여러가지 설정들

```
</web-app>
```

기본 구조(2.5버전)

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://java.sun.com/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd"
```



</web-app>

여러가지 설정들 리스트

1) 필터

```
<filter>
  <filter-name>CharacterEncodingFilter</filter-name>
  <filter-class>org.springframework.web.filter.CharacterEncodingFilter</filter-class>
  <init-param>
    <param-name>encoding</param-name>
    <param-value>UTF-8</param-value>
  </init-param>
  <init-param>
    <param-name>forceEncoding</param-name>
    <param-value>true</param-value>
  </init-param>
</filter>
<filter-mapping>
  <filter-name>CharacterEncodingFilter</filter-name>
  <url-pattern>/*</url-pattern>
</filter-mapping>
```

```
<filter>
  <filter-name>encodingFilter</filter-name>
  <filter-class>org.springframework.web.filter.CharacterEncodingFilter</filter-class>
  <init-param>
    <param-name>encoding</param-name>
    <param-value>utf-8</param-value>
  </init-param>
</filter>
<filter-mapping>
  <filter-name>encodingFilter</filter-name>
  <url-pattern>*.do</url-pattern>
</filter-mapping>
```

```
<filter>
  <filter-name>encodingFilter</filter-name>
```



```

    <param-value>UTF-8</param-value>
  </init-param>
  <init-param>
    <param-name>forceEncoding</param-name>
    <param-value>true</param-value>
  </init-param>
</filter>
<filter-mapping>
  <filter-name>encodingFilter</filter-name>
  <url-pattern>/tudu/*</url-pattern>
</filter-mapping>

```

2) dispatcher 서블릿

```

<servlet>
  <servlet-name>shopping3-7</servlet-name>
  <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
  <load-on-startup>1</load-on-startup>
</servlet>
<servlet-mapping>
  <servlet-name>shopping3-7</servlet-name>
  <url-pattern>*.html</url-pattern>
</servlet-mapping>

```

```

<servlet>
  <servlet-name>action</servlet-name>
  <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
  <init-param>
    <param-name>contextConfigLocation</param-name>
    <param-value>/WEB-INF/config/*-servlet.xml</param-value>
  </init-param>
  <load-on-startup>1</load-on-startup>
</servlet>
<servlet-mapping>
  <servlet-name>action</servlet-name>
  <url-pattern>*.do</url-pattern>
</servlet-mapping>

```

```

<servlet>

```



```
</servlet>
<servlet-mapping>
  <servlet-name>dispatcher</servlet-name>
  <url-pattern>/tudu/*</url-pattern>
</servlet-mapping>
```

*****<server-name>-context.xml 파일이 web.xml과 같은 위치에 있다면 init-param으로 dispatcher xml파일 이름 설정해 주지 않아도 자동으로 로드됨**

3) welcome 리스트

```
<welcome-file-list>
  <welcome-file>index.jsp</welcome-file>
</welcome-file-list>
```

4) context 관련

```
<context-param>
  <param-name>contextConfigLocation</param-name>
  <param-value>classpath*:config/spring/context-*.xml</param-value>
</context-param>
```

```
<context-param>
  <param-name>contextConfigLocation</param-name>
  <param-value>/WEB-INF/security.xml /WEB-INF/applicationContext.xml</param-value>
</context-param>
```

```
<context-param>
  <param-name>contextConfigLocation</param-name>
  <param-value>classpath:META-INF/spring/application-context.xml</param-value>
</context-param>
```

5) 기타 context 관련

```
<context-param>
  <param-name>log4jConfigLocation</param-name>
  <param-value>WEB-INF/log4j.xml</param-value>
</context-param>
```

6) context 로더



```
<listener>
```

```
    <listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>
```

```
</listener>
```

7) 에러 페이지

```
<error-page>
```

```
    <error-code>403</error-code>
```

```
    <location>/WEB-INF/jsp/noAuthority.jsp</location>
```

```
</error-page>
```

```
<error-page>
```

```
    <exception-type>java.lang.Exception</exception-type>
```

```
    <location>/tudu/500</location>
```

```
</error-page>
```

```
<error-page>
```

```
    <error-code>404</error-code>
```

```
    <location>/tudu/404</location>
```

```
</error-page>
```

8) 디스플레이 이름

```
<display-name>Tudu Lists</display-name>
```

9) 기타 필터

```
<filter>
```

```
    <filter-name>springSecurityFilterChain</filter-name>
```

```
    <filter-class>org.springframework.web.filter.DelegatingFilterProxy</filter-class>
```

```
</filter>
```

```
<filter-mapping>
```

```
    <filter-name>springSecurityFilterChain</filter-name>
```

```
    <url-pattern>/*</url-pattern>
```

```
</filter-mapping>
```

```
<filter>
```

```
    <filter-name>springSecurityFilterChain</filter-name>
```

```
    <filter-class>org.springframework.web.filter.DelegatingFilterProxy</filter-class>
```



```
<url-pattern>/tudu/*</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>springSecurityFilterChain</filter-name>
  <url-pattern>/ajax/*</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>springSecurityFilterChain</filter-name>
  <url-pattern>/servlet/*</url-pattern>
</filter-mapping>

<filter>
  <filter-name>Open Session In View Filter</filter-name>
  <filter-class>org.springframework.orm.jpa.support.OpenEntityManagerInViewFilter</filter-class>
</filter>
<filter-mapping>
  <filter-name>Open Session In View Filter</filter-name>
  <url-pattern>/ajax/*</url-pattern>
</filter-mapping>

<filter>
  <filter-name>GZipFilter</filter-name>
  <filter-class>net.sf.ehcache.constructs.web.filter.GzipFilter</filter-class>
</filter>
<filter-mapping>
  <filter-name>GZipFilter</filter-name>
  <url-pattern>/*</url-pattern>
</filter-mapping>

<filter>
  <filter-name>SimpleCachingHeadersPageCachingFilter</filter-name>
  <filter-class>net.sf.ehcache.constructs.web.filter.SimpleCachingHeadersPageCachingFilter</filter-class>
  <init-param>
    <param-name>suppressStackTraces</param-name>
    <param-value>>false</param-value>
  </init-param>
```



```
</init-param>
</filter>
<filter-mapping>
  <filter-name>SimpleCachingHeadersPageCachingFilter</filter-name>
  <url-pattern>/rss</url-pattern>
</filter-mapping>
```

10) 기타 리스너

```
<listener>
  <listener-class>org.springframework.security.web.session.HttpSessionEventPublisher</listener-class>
</listener>
```

```
<listener>
  <listener-class>org.springframework.web.util.Log4jConfigListener</listener-class>
</listener>
```

```
<listener>
  <listener-class>org.springframework.web.context.request.RequestContextListener</listener-class>
</listener>
```

```
<listener>
  <listener-class>net.sf.navigator.menu.MenuContextListener</listener-class>
</listener>
```

11) 기타 서블릿

```
<servlet>
  <servlet-name>dwr</servlet-name>
  <servlet-class>org.directwebremoting.spring.DwrSpringServlet</servlet-class>
  <init-param>
    <param-name>debug</param-name>
    <param-value>true</param-value>
  </init-param>
  <load-on-startup>2</load-on-startup>
</servlet>
```



```
</servlet-mapping>
```

```
<servlet>
```

```
    <servlet-name>rss</servlet-name>
```

```
    <servlet-class>tu.du.web.servlet.RssFeedServlet</servlet-class>
```

```
    <load-on-startup>3</load-on-startup>
```

```
</servlet>
```

```
<servlet-mapping>
```

```
    <servlet-name>rss</servlet-name>
```

```
    <url-pattern>/servlet/rss</url-pattern>
```

```
</servlet-mapping>
```

```
<servlet>
```

```
    <servlet-name>backup</servlet-name>
```

```
    <servlet-class>tu.du.web.servlet.BackupServlet</servlet-class>
```

```
</servlet>
```

```
<servlet-mapping>
```

```
    <servlet-name>backup</servlet-name>
```

```
    <url-pattern>/servlet/tudu_lists_backup.xml</url-pattern>
```

```
</servlet-mapping>
```

dispatcher_servlet.xml

스프링에서 URL요청에 의해 controller를 호출하게 되는게 그때 이 설정을 이용하여 controller가 동작하게 되고 결과에 대한 view페이지로 이동하게 됨

web.xml에서 2) **dispatcher** 서블릿에서 설정한 파일이다

기본구조

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

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

```
    xmlns:p="http://www.springframework.org/schema/p"
```

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




<http://www.springframework.org/schema/beans/spring-beans-3.0.xsd>

<http://www.springframework.org/schema/context/spring-context-3.0.xsd>

<http://www.springframework.org/schema/mvc/spring-mvc.xsd>">

여러가지 설정들...

</beans>

1)component-scan

<context:component-scan base-package="sms"></context:component-scan>

<context:component-scan base-package="controller,dao,logic" />

<context:component-scan base-package="tudu.web.mvc, tudu.web.rest"/>

2)interceptor

<mvc:interceptors>

<mvc:interceptor>

<mvc:mapping path="/**"/>

<bean id="loggerInterceptor" class="sms.common.logger.LoggerInterceptor"></bean>

</mvc:interceptor>

</mvc:interceptors>

<bean id="localeChangeInterceptor"

class="org.springframework.web.servlet.i18n.LocaleChangeInterceptor">

<property name="paramName" value="lang"/>

</bean>



4)view resolver 관련

<bean

```
class="org.springframework.web.servlet.view.UrlBasedViewResolver"
p:order="1"
p:viewClass="org.springframework.web.servlet.view.JstlView"
p:prefix="/WEB-INF/jsp/"
p:suffix=".jsp">
```

</bean>

<!-- ViewResolver -->

<bean id="internalResourceViewResolver"

```
class="org.springframework.web.servlet.view.InternalResourceViewResolver">
  <property name="viewClass">
    <value>org.springframework.web.servlet.view.JstlView</value>
  </property>
  <property name="prefix">
    <value>/WEB-INF/jsp/</value>
  </property>
  <property name="suffix">
    <value>.jsp</value>
  </property>
```

</bean>

<bean class="org.springframework.web.servlet.view.ContentNegotiatingViewResolver">

```
<property name="mediaTypes">
```

```
<map>
```

```
<entry key="html" value="text/html"/>
```

```
<entry key="json" value="application/json"/>
```

```
</map>
```

```
</property>
```

```
<property name="viewResolvers">
```

```
<list>
```

```
<bean class="org.springframework.web.servlet.view.UrlBasedViewResolver">
```

```
<property name="viewClass" value="org.springframework.web.servlet.view.JstlView"/>
```

```
<property name="prefix" value="/WEB-INF/views/">
```



```
</property>
<property name="defaultViews">
  <list>
    <bean class="org.springframework.web.servlet.view.json.MappingJacksonJsonView"/>
  </list>
</property>
</bean>
```

```
<bean id="localeResolver"
      class="org.springframework.web.servlet.i18n.CookieLocaleResolver"/>
```

5) multipark resolver 관련

```
<bean id="multipartResolver"
      class="org.springframework.web.multipart.commons.CommonsMultipartResolver"
      p:maxUploadSize="104857600"
      p:maxInMemorySize="10485760">
</bean>
```

```
<bean id="multipartResolver"
      class="org.springframework.web.multipart.commons.CommonsMultipartResolver"/>
```

6)기타 bean 관련

```
<bean class="org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerMapping"/>
<bean class="org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter"/>
<!-- <bean class="org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping"/> -->
```

```
<bean class="org.springframework.web.servlet.view.BeanNameViewResolver" p:order="0" />
<bean id="jsonView" class="org.springframework.web.servlet.view.json.MappingJacksonJsonView" />
```

```
<bean class="org.springframework.web.servlet.mvc.support.ControllerClassNameHandlerMapping" />
```

```
<bean class="org.springframework.jdbc.support lob.DefaultLobHandler"></bean>
```



```

<property name="interceptors">
  <list>
    <ref bean="localeChangeInterceptor"/>
  </list>
</property>
</bean>

<bean id="menu" class="net.sf.navigator.menu.MenuLoader">
  <property name="menuConfig" value="/WEB-INF/menu-config.xml"/>
</bean>

```

7) view-controller

```

<mvc:view-controller path="/login.html" view-name="masterLogin" />
<mvc:view-controller path="/logout.html" view-name="logout" />

```

context.xml

주로 데이터베이스와 관련된 설정들이 이곳에 들어가게 된다

web.xml에서 **4) context** 관련과 **5) 기타 context** 관련에서 설정한 파일이다

기본 구조

```

<?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"
  xmlns:p="http://www.springframework.org/schema/p"
  xmlns:tx="http://www.springframework.org/schema/tx"
  xmlns:aop="http://www.springframework.org/schema/aop"
  xsi:schemaLocation="http://www.springframework.org/schema/beans

```



```

http://www.springframework.org/schema/context/spring-context.xsd
http://www.springframework.org/schema/aop
http://www.springframework.org/schema/aop/spring-aop-3.0.xsd
http://www.springframework.org/schema/tx
http://www.springframework.org/schema/tx/spring-tx-3.0.xsd"

```

여러가지 설정들...

</beans>

1) datasource

<!-- MySQL 설정 -->

```

<bean id="dataSource" class="org.apache.commons.dbcp.BasicDataSource" destroy-method="close">
  <property name="driverClassName" value="com.mysql.jdbc.Driver"/>
  <property name="url" value="jdbc:mysql://211.110.61.59/lguplus"/>
  <property name="username" value="paymint"/>
  <property name="password" value="paymint"/>
</bean>

```

<!-- 오라클 설정 -->

```

<!-- <bean id="dataSource" class="org.apache.commons.dbcp.BasicDataSource" 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> -->

```

<!-- Data Source -->

```

<bean id="dataSource"
  class="org.springframework.jdbc.datasource.DriverManagerDataSource">
  <!-- JDBC드라이버명 설정 -->
  <property name="driverClassName">
    <value>com.mysql.jdbc.Driver</value>
  </property>
  <!-- JDBC접속 문자열 설정 -->
  <property name="url">

```



```
<!-- MySQL 유저ID 설정 -->
<property name="username">
    <value>springuser</value>
</property>
<!-- MySQL 패스워드 설정 -->
<property name="password">
    <value>springpassword</value>
</property>
</bean>
```

```
<bean id="dataSource"
    class="com.mchange.v2.c3p0.ComboPooledDataSource"
    destroy-method="close">

    <property name="driverClass" value="${datasource.driverclassname}"/>
    <property name="jdbcUrl" value="${dataSource.url}"/>
    <property name="user" value="${dataSource.username}"/>
    <property name="password" value="${dataSource.password}"/>
    <property name="initialPoolSize" value="10"/>
    <property name="minPoolSize" value="10"/>
    <property name="maxPoolSize" value="${dataSource.maxActive}"/>
    <property name="idleConnectionTestPeriod" value="600"/>
    <property name="acquireIncrement" value="2"/>
    <property name="maxStatements" value="300"/>
    <property name="numHelperThreads" value="10"/>
</bean>
```

2) transaction

```
<bean id="transactionManager"
    class="org.springframework.jdbc.datasource.DataSourceTransactionManager"
    p:dataSource-ref="dataSource">
</bean>
```

```
<bean id="transactionManager"
    class="org.springframework.orm.jpa.JpaTransactionManager">
    <property name="entityManagerFactory" ref="entityManagerFactory"/>
</bean>
```



```
<bean id="sqlSession" class="org.mybatis.spring.SqlSessionFactoryBean">
    <property name="dataSource" ref="dataSource" />
    <property name="mapperLocations" value="classpath:/mapper/**/*.xml" />
</bean>
```

```
<bean id="sqlSessionTemplate" class="org.mybatis.spring.SqlSessionTemplate">
<constructor-arg index="0" ref="sqlSession"/>
```

4) message source

```
<!-- MessageSource -->
<bean id="messageSource"
    class="org.springframework.context.support.ResourceBundleMessageSource">
    <property name="basenames">
        <list>
            <value>ApplicationResource</value>
            <value>messages</value>
        </list>
    </property>
</bean>
```

```
<bean id="messageSource"
    class="org.springframework.context.support.ReloadableResourceBundleMessageSource">
    <property name="basename" value="WEB-INF/messages"/>
</bean>
```

5) context설정 파일들을 분리했을때 로드설정 부분

```
<import resource="application-context-infrastructure.xml"/>
<import resource="application-context-infrastructure-env.xml"/>
<import resource="application-context-security.xml"/>
<import resource="application-context-dwr.xml"/>
```

6) componet-scan

```
<context:component-scan base-package="tudu.service"/>
```

7) tx

```
<tx:annotation-driven />
```

8) 기타 beans

```
<!-- JPA annotations bean post processor -->
<bean class="org.springframework.orm.jpa.support.PersistenceAnnotationBeanPostProcessor"/>
```

**HULIA(휴리아)**

HULIA(휴리아)의 서비스개발&스킨제작 Story

CATEGORY

```
class="org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean">
```

```
<property name="dataSource" ref="dataSource"/>
<property name="jpaVendorAdapter">
  <bean class="org.springframework.orm.jpa.vendor.HibernateJpaVendorAdapter">
    <property name="database" value="{jpaVendorAdapter.database}"/>
    <property name="databasePlatform" value="{jpaVendorAdapter.databasePlatform}"/>
    <property name="showSql" value="{jpaVendorAdapter.showSql}"/>
    <property name="generateDdl" value="{jpaVendorAdapter.generateDdl}"/>
  </bean>
</property>
<property name="persistenceXmlLocation" value="classpath:META-INF/persistence.xml"/>
</bean>
```



공감

구독하기

'백엔드개발' > '자바스프링' 카테고리의 다른 글

앱)NoClassDefFoundError java.lang.ClassNo... (0)


자주 사용하는 스프링 annotation (0)

스프링 AOP(Aspect Oriented Programming) ... (0)

이클립스 Spring MVC Project가 보이지 않을때 (0)

자바 유용 클래스 (0)


스프링 프레임워크 중요 환경 설정(web.xml, di... (2)



HULIA(휴리아)


HULIA(휴리아)의 서비스개발&스킨제작 Story

CATEGORY



좋은글,,! 이네요

2017.07.13 11:40



유익한 HULIA(휴리아)

댓글 감사합니다 업데이트 못한 내용도 있는데 좋게봐주셔서 감사합니다

2017.07.13 17:16 신고

여러분의 소중한 댓글을 입력해주세요

이름

비밀번호

비밀글

입력

1...175176177178179180181182

공지사항

최근에 올라온 글

파이썬 아나콘다 배포판 조사

파이썬 배우는 이유 특징..

마크다운 정의 장단점 사용..

파일입출력 기본 - 파이썬

최근에 달린 댓글

코드 빨간 줄 수두룩한데 수정..

댓글 감사합니다 업데이트 못..

좋은글,,! 이네요

Total

34,176

Today7

Yesterday38

링크

TAG

more

파이썬패키...

정규식

마크다운

« 2019/05 »

일	월	화	수	목	금	토
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

글 보관함

2019/04 (4)

2019/03 (1)

2019/02 (1)

2019/01 (1)