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reloadable

참조링크 : <https://tomcat.apache.org/tomcat-7.0-doc/config/context.html>

reloadable	Set to <code>true</code> if you want Catalina to monitor classes in <code>/WEB-INF/classes/</code> and <code>/WEB-INF/lib</code> for changes, and automatically reload the web application if a change is detected. This feature is very useful during application development, but it requires significant runtime overhead and is not recommended for use on deployed production applications. That's why the default setting for this attribute is <code>false</code> . You can use the Manager web application, however, to trigger reloads of deployed applications on demand.
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공식홈페이지의 해당 속성 설명에 의하면 “true”로 설정할 시 (기본값:false)

```
/WEB-INF/classes/  
/WEB-INF/lib/
```

디렉토리에 한해서 변경시 Context Reload가 발생한다고 명시 되어있음 [WEB-INF/web.xml](#) 파일 변경시에는 `reloadable="false"`와 상관없이 무조건 reload가 발생함

이것은 톰캣 기본 설정으로 지정되어있는 부분인데 [conf/context.xml](#) 내에 아래와 같이 지정되어있으므로 변경시 reload가 발생함.

```
<Context sessionCookieName="${tomcat.engine.sessionCookieName}"  
reloadable="false">  
  
    <!-- Default set of monitored resources -->  
    <WatchedResource>WEB-INF/web.xml</WatchedResource>  
  
    <!-- Uncomment this to disable session persistence across Tomcat  
restarts -->  
    <!--  
    <Manager pathname="" />  
    -->  
  
    <!-- Uncomment this to enable Comet connection tacking (provides events  
on session expiration as well as webapp lifecycle) -->  
    <!--  
    <Valve  
className="org.apache.catalina.valves.CometConnectionManagerValve" />  
    -->  
  
</Context>
```

[<WatchedResource>WEB-INF/web.xml</WatchedResource>](#)

이 부분을 주석처리하게 되면 web.xml이 변경되어도 context reload는 발생하지 않음.

또한 본 속성값을 “false”로 한다 하여도 jsp파일 변경시에는 무조건 갱신되는것을 알 수 있음. (단, development mode에서 발생하며 다음장에 설명함)

development mode

참조링크 : <http://tomcat.apache.org/tomcat-7.0-doc/jasper-howto.html>

- 기본값은 development mode = true
- true상태일 경우 jsp reload가 작동함
- false로 변경할 경우 jsp reload 작동 안함

```
<servlet>
  <servlet-name>jsp</servlet-name>
  <servlet-class>org.apache.jasper.servlet.JspServlet</servlet-class>
  <init-param>
    <param-name>fork</param-name>
    <param-value>>false</param-value>
  </init-param>
  <init-param>
    <param-name>development</param-name>
    <param-value>>true</param-value>
  </init-param>
  <init-param>
    <param-name>xpoweredBy</param-name>
    <param-value>>false</param-value>
  </init-param>
  <load-on-startup>3</load-on-startup>
</servlet>
```

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