

Spring MVC Beans Loaded Twice Problem

In Spring MVC if you have two separate xml files such as **applicationContext.xml** and **mvc-dispatcher-servlet.xml**, then you must set **use-default-filters** attribute value to **false** to disable automatic detection of classes annotated with `@Component`, `@Repository`, `@Service` or `@Controller` because these classes will be detected by means of `<context:component-scan>` element.

applicationContext.xml file

```
1 <context:component-scan base-package="com.codesenior.telif.web">
2   <context:exclude-filter type="annotation"
3     expression="org.springframework.stereotype.Controller"/>
4 </context:component-scan>
```

`<context:exclude-filter>` element exclude **Controller** classes because these classes are used in Spring MVC. However, **applicationContext.xml** file should contain core Spring components and **mvc-dispatcher-servlet.xml** file should contain Spring MVC configurations.

mvc-dispatcher-servlet.xml file

```
1 <context:component-scan base-package="com.codesenior.telif.web" use-default-filters="false">
2   <context:include-filter type="annotation" expression="org.springframework.stereotype.Controller"/>
3 </context:component-scan>
```

After this configuration Spring will not detect same classes twice.