

# Spring MVC InternalResourceViewResolver Example



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In Spring MVC, **InternalResourceViewResolver** is used to resolve "internal resource view" (in simple, it's final output, jsp or http page) based on a predefined URL pattern. In addition, it allow you to add some predefined prefix or suffix to the view name (prefix + view name + suffix), and generate the final view page URL.

## What's internal resource views?

In Spring MVC or any web application, for good practice, it's always recommended to put the entire views or JSP files under "WEB-INF" folder, to protect it from direct access via manual entered URL. Those views under "WEB-INF" folder are named as internal resource views, as it's only accessible by the servlet or Spring's controllers class.

Following example show you how InternalResourceViewResolver works :

## 1. Controller

A controller class to return a view, named "WelcomePage".

```
//...
public class WelcomeController extends AbstractController{

    @Override
    protected ModelAndView handleRequestInternal(HttpServletRequest request,
        HttpServletResponse response) throws Exception {

        ModelAndView model = new ModelAndView("WelcomePage");

        return model;
    }
}
```

## 2. InternalResourceViewResolver

Register **InternalResourceViewResolver** bean in the Spring's bean configuration file.

```
<beans xmlns="http://www.springframework.org/schema/beans"
    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-2.5.xsd">

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

    <!-- Register the bean -->
    <bean class="com.mkyong.common.controller.WelcomeController" />

    <bean id="viewResolver"
        class="org.springframework.web.servlet.view.InternalResourceViewResolver" >
        <property name="prefix">
            <value>/WEB-INF/pages/</value>
        </property>
        <property name="suffix">
            <value>.jsp</value>
        </property>
    </bean>

</beans>
```

Now, Spring will resolve the view's name "WelcomePage" in the following way :

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prefix + view name + suffix = /WEB-INF/pages/**WelcomPage**.jsp

## Download Source Code



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## Reference

1. [InternalResourceViewResolver documentation](#)

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Could you explain the difference in path values `<value>/WEB-INF/pages/</value>` and `<value>WEB-INF/pages/</value>` Why is '/' so important?

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I really appreciate these tutorials...i am really impressed.  
you made learning spring very simple.  
Great articles. great presentation.  
Thank you.

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Thanks for your kind comments, Spring still has many "unknown area" waiting us to explore:)

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