

STRUTS 2 - THE DATE TAG

http://www.tutorialspoint.com/struts_2/struts_date_tag.htm

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The date tag allows to format a Date in a quick and easy way. User can specify a custom format eg. " dd/MM/yyyyhh:mm ", can generate easy readable notations like " in2hours, 14minutes " , or can just fall back on a predefined format with key 'struts.date.format' in the properties file.

Create action class

```
package com.tutorialspoint.struts2;

import java.util.*;

public class HelloWorldAction{
    private Date currentDate;

    public String execute() throws Exception{
        setCurrentDate(new Date());
        return "success";
    }
    public void setCurrentDate(Date date){
        this.currentDate = date;
    }
    public Date getCurrentDate(){
        return currentDate;
    }
}
```

Create views

Let us have **HelloWorld.jsp** with the following content:

```
<%@ page contentType="text/html; charset=UTF-8" %>
<%@ taglib prefix="s" uri="/struts-tags" %>
<html>
<head>
<title>Hello World</title>
</head>
<body>
<h2>Current Date</h2>

<h3>Day/Month/Year Format</h3>
<s:date name="currentDate" format="dd/MM/yyyy" />

<h3>Month/Day/Year Format</h3>
<s:date name="currentDate" format="MM/dd/yyyy" />

</body>
</html>
```

Configuration Files

Your **struts.xml** should look like:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE struts PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration 2.0//EN"
    "http://struts.apache.org/dtds/struts-2.0.dtd">
<struts>
<constant name="struts.devMode" value="true" />
    <package name="helloworld" extends="struts-default">

        <action name="hello"
```

```
        method="execute">
        <result name="success">/HelloWorld.jsp</result>
    </action>

</package>
</struts>
```

Your **web.xml** should look like:

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns="http://java.sun.com/xml/ns/javaee"
    xmlns:web="http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd"
    xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
    http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"
    >

    <display-name>Struts 2</display-name>
    <welcome-file-list>
        <welcome-file>index.jsp</welcome-file>
    </welcome-file-list>
    <filter>
        <filter-name>struts2</filter-name>
        <filter-class>
            org.apache.struts2.dispatcher.FilterDispatcher
        </filter-class>
    </filter>

    <filter-mapping>
        <filter-name>struts2</filter-name>
        <url-pattern>/*</url-pattern>
    </filter-mapping>
</web-app>
```

Right click on the project name and click **Export > WAR File** to create a War file. Then deploy this WAR in the Tomcat's webapps directory. Finally, start Tomcat server and try to access URL <http://localhost:8080/HelloWorldStruts2/hello.action>. This will give you following screen:

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