

JSF - F:CONVERTDATETIME

http://www.tutorialspoint.com/jsf/jsf_convertdatetime_tag.htm

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f:convertDateTime tag is used to convert a string value to a date of required format. It also acts as a validator a required date format.

JSF Tag

```
<f:convertDateTime pattern="dd-mm-yyyy" />
```

Tag Attributes

S.N.	Attribute & Description
1	type date <i>default</i> , time, or both
2	dateStyle default, short, medium, long, or full
3	timeStyle default, short, medium, long, or full
4	pattern Formatting pattern, as defined in java.text.SimpleDateFormat
5	locale Locale whose preferences are to be used for parsing and formatting
6	timeZone Time zone to use for parsing and formatting

Example Application

Let us create a test JSF application to test the above tag.

Step	Description
1	Create a project with a name <i>helloworld</i> under a package <i>com.tutorialspoint.test</i> as explained in the <i>JSF - First Application</i> chapter.
2	Modify <i>home.xhtml</i> as explained below. Keep rest of the files unchanged.
3	Create <i>result.xhtml</i> in the webapps directory as explained below.
4	Create <i>UserData.java</i> as a managed bean under package <i>com.tutorialspoint.test</i> as explained below.
5	Compile and run the application to make sure business logic is working as per the

requirements.

- 6 Finally, build the application in the form of war file and deploy it in Apache Tomcat Webserver.
- 7 Launch your web application using appropriate URL as explained below in the last step.

UserData.java

```
package com.tutorialspoint.test;

import java.io.Serializable;
import java.util.Date;

import javax.faces.bean.ManagedBean;
import javax.faces.bean.SessionScoped;

@ManagedBean(name = "userData", eager = true)
@SessionScoped
public class UserData implements Serializable {

    private static final long serialVersionUID = 1L;

    public Date date;

    public Date getDate() {
        return date;
    }

    public void setDate(Date date) {
        this.date = date;
    }
}
```

home.xhtml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
    xmlns:h="http://java.sun.com/jsf/html"
    xmlns:f="http://java.sun.com/jsf/core">
    <h:head>
        <title>JSF tutorial</title>
    </h:head>
    <h:body>
        <h2>ConvertDateTime Example</h2>
        <h:form>
            <h:inputText
                label="Date" >
                <f:convertDateTime pattern="dd-mm-yyyy" />
            </h:inputText>
            <h:commandButton value="submit" action="result"/>
        </h:form>
        <br/>
        <h:message for="dateInput" style="color:red" />
        <h:outputText value="12-01-2012" >
            <f:convertDateTime pattern="dd-mm-yyyy" />
        </h:outputText>
    </h:body>
</html>
```

result.xhtml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```

"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
  xmlns:f="http://java.sun.com/jsf/core"
  xmlns:h="http://java.sun.com/jsf/html"
  xmlns:ui="http://java.sun.com/jsf/facelets">
  <h:body>
    <h2>Result</h2>
    <hr />
    #{userData.date}
  </h:body>
</html>

```

Once you are ready with all the changes done, let us compile and run the application as we did in JSF - First Application chapter. If everything is fine with your application, this will produce following result:



Enter any invalid value and press submit button. See the error message.



Enter any valid value and press submit button. See the result.

