

How To Make Eclipse IDE Supports JSF 2.0



Posted on September 7, 2010

By [mkyong](#)

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In Eclipse Ganymede (v3.4) or Galileo (v3.5), it supports until JSF 1.2 only. For **JSF 2.0**, upgrade your Eclipse to version **Helios (v3.6)** onward, it has full support of Java EE 6 support, including JSF 2.0.

Here's a quick guide to show you how to enable JSF 2.0 features like code assist and visual JSF component editor in Eclipse IDE.

Tools Used

1. Eclipse 3.6
2. JSF 2.0.x

1. Eclipse Project Facets

To support JSF 2.0, you need to configure Eclipse project to support **Web Tools Platform (WTP)**.

Steps to enable the Web Tools Platform (WTP) :

1. Right click on the project, choose "**properties**" -> "**Project Facets**".
2. Check "**Dynamic Web Module**", select version 2.5.



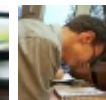
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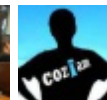
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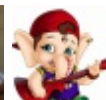
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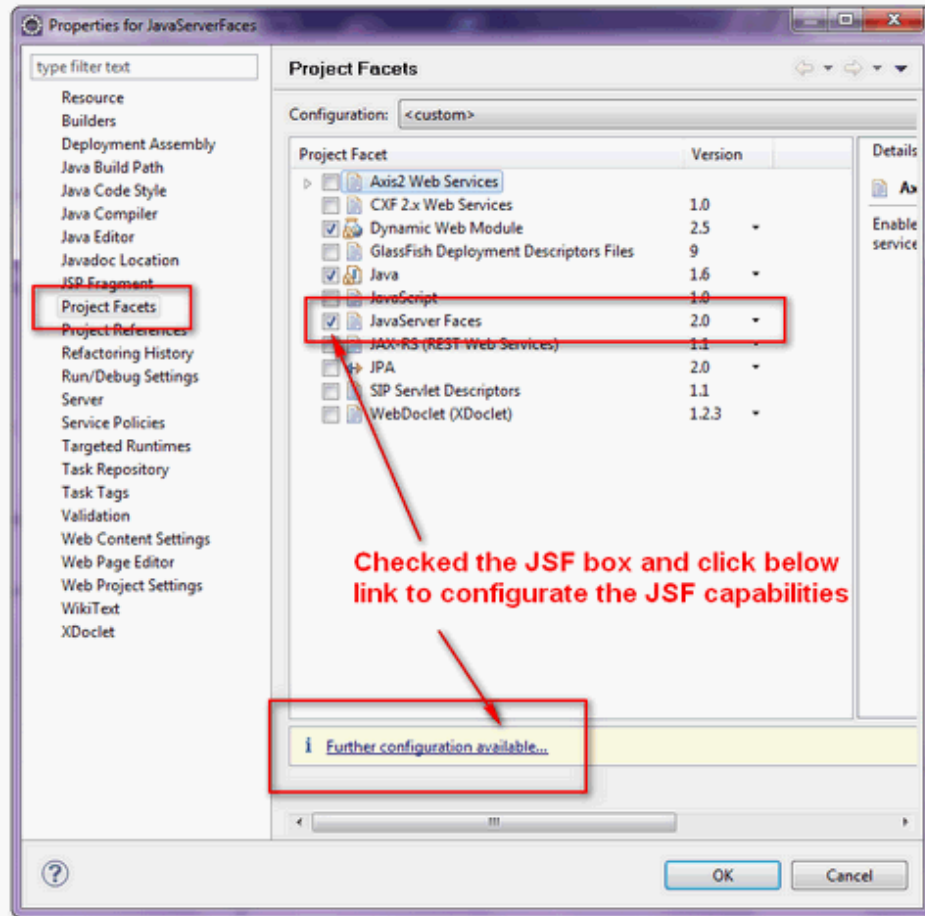


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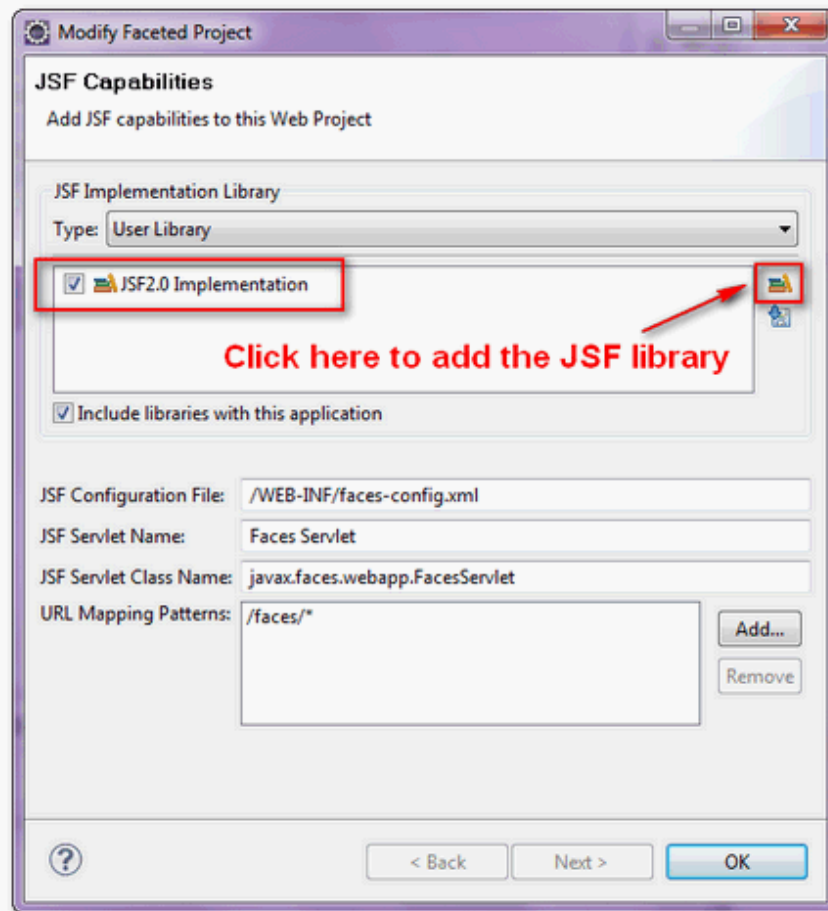
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3. Check “**Java**”, choose version 1.6.
4. Check “**JavaServer Faces**”, choose version 2.0.



5. Click on the “**further configuration...**” link below to do the JSF configuration.
6. Create an user library and include the JSF 2.0 API and implementation libraries, **jsf-api-xxx.jar** and **jsf-impl-xxx.jar**.
P.S You can get the JSF jars [official JSF website](#).





Updated on 8 Aug 2012

For JSF 2.1.11, only one jar file javax.faces-2.1.11 is required.

7. Done.

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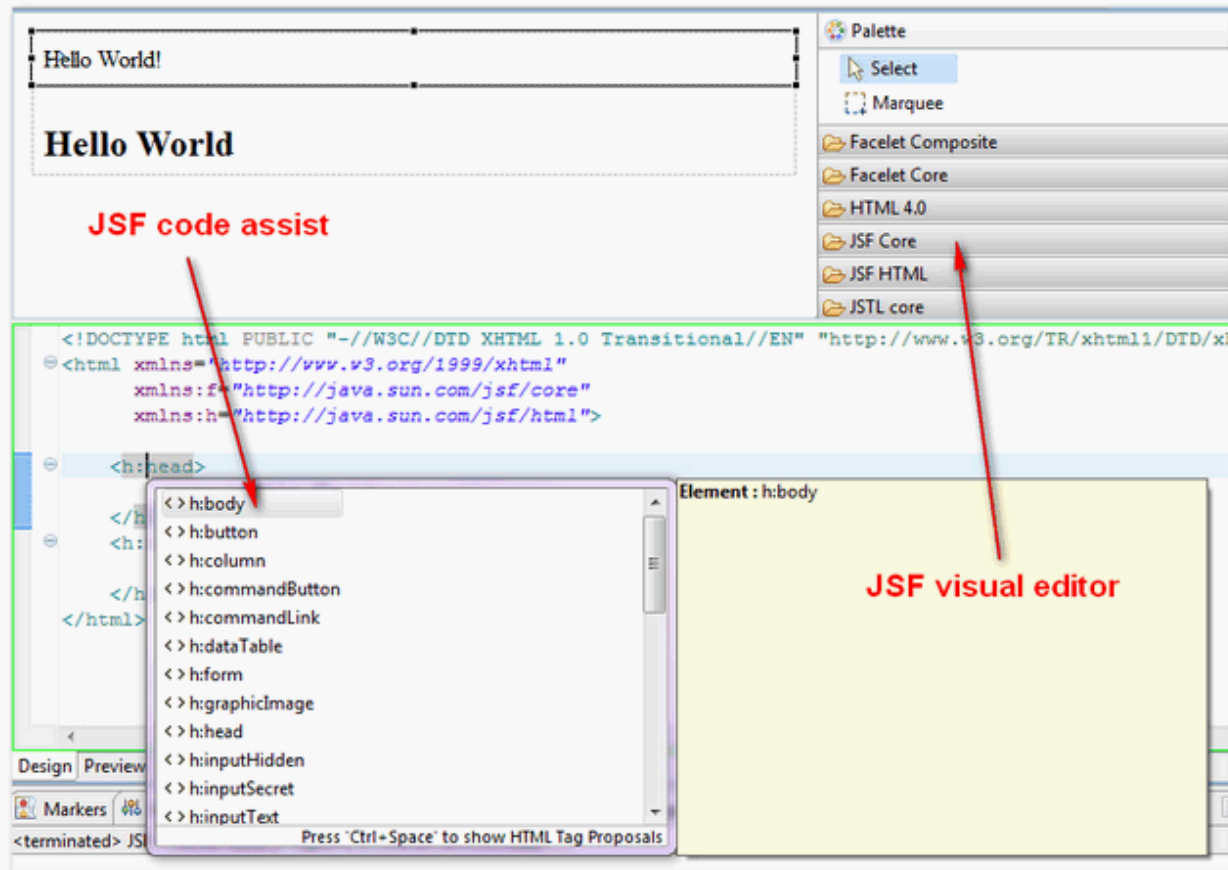
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AdChoices

2. Demo

Now, Eclipse IDE is supporting the JSF 2.0 capabilities. Try it, in `.xhtml` file, click on the “**Ctrl + Space**“, it will prompts all available JSF 2.0 tags (code assist) automatically.

Furthermore, it add JSF 2.0 visual components to the web page editor as well, see figure below :



Tags : `eclipse` `jsf2`



[mkyong](#)

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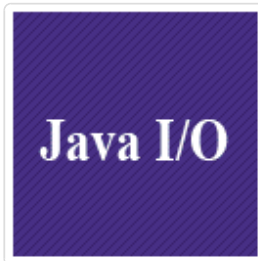
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[akdora](#)

October 22, 2012 at 4:16 pm

It helped me. Thanks

Reply



kalaiselvan

September 1, 2012 at 2:33 pm

Hi mkyong....

I have used eclipse helios... but wen am try to jsf 2.0 project by using the configurations like web module 3.0, Apache tomcat 7.0, configurations jsf v2.0 project and during the jsf capabilities wen i try to choose JSF 2.0 (Mojarra 2.0.3-FCS) for library it displays an error msg "error in opening zip file".... wat i need to do for tat... whr s the problem... pls reply me asap... its urgent for me...

Reply



masood

August 16, 2012 at 2:19 pm

please send me jsf 2.0 document am new to jsf

Reply



benmouh

August 9, 2012 at 6:35 pm

Hello MKYONG,

Think you very much for this Tutorial, then i want to learn from you something in J2EE, if you can give me your Email adresse or contact me in my email adresse thinks lot.

Reply



Dileep

July 13, 2012 at 7:44 pm

Hi mkyong,
How to get the bean assistance in xhtml page if i use multiple faces-config xml files.
please help me.

Reply



jose said

June 20, 2012 at 8:11 am

hey man, why aer you using eclipse helios and not using Galileo?

Reply



Vikas

June 11, 2012 at 8:06 pm

Which technology you prefer as best..?Struts2 or JSF2

Reply



A B

January 9, 2012 at 2:40 am

I have a question regarding mixing jsp for JSF 1.2 and xhtml for JSF 2.0 in a JSF 2.0 project.

We are using websphere. Is it possible to convert a project to use JSF 2.0 facets, but keep the original jsps that use IBM's JWL and create new pages as JSF 2.0 xhtml pages and have both run within the same application within the same webapp?

Thanks

Reply



mkyong

January 16, 2012 at 10:13 pm

WebSphere.. Good Luck bro, i have too many bad experienced on it. Each WebSphere version have different implementation and NOT compatible to each other, make sure you consult the IBM documentation.

To be frankly, WebSphere is a IBM standard, not Java standard, what apply on standard Java App Server may fail on WebSphere. Often times, you need to “hack” something to get what you want.

Reply



nour

September 8, 2011 at 4:05 pm

Hi ,mkyong

I have followed the steps which you mentioned to configure eclipse Helios v3.6 and the tutorials work well but the JSF visual editor does not appear at all , so what to do to show the visual editor .

thank you .

Reply



Femi

August 12, 2011 at 3:38 am

Hi Mkyong, what about Eclipse Galileo, How can I make support JSF 2.0 jar?

Reply



mkyong

August 12, 2011 at 10:21 am

Is above solution not working in your Galileo?

Reply



ram

July 8, 2011 at 3:47 am

Most of the code are uncomplete : need to know how-to-update-row-in-jsf-datatable ?
Advanced thanks

Reply



mkyong

July 8, 2011 at 8:04 am

Refer here – <http://www.mkyong.com/tutorials/jsf-2-0-tutorials/> , find under jsf datatable section.

Reply



Gang

July 7, 2011 at 3:26 am

Never mind. I got it work. I had to uncheck the Dynamic Web Moudle and apply, change the version and re-check it.

Gang

Reply



Gang

July 7, 2011 at 3:18 am

Hi, mkyong,

I followed your steps to configure my eclipse-helio for JSF 2.0. But the IDE displays error, "Cannot change version of project facet Dynamic Web Module to 2.5". It was originally "2.3" and JavaServer Faces 2.0 requires 2.5. Any idea?

I created a Maven project using apache's webapp archetype.

Thanks,
Gang

Reply



David Dhune

October 20, 2012 at 4:36 am

Gang,

Try this below may work:

In your project workspace, in settings folder
edit org.eclipse.wst.common.project.facet.core (xml file)

```
add <installed facet="jst.web" version="" />
```

Reply



David Dhune

October 20, 2012 at 4:38 am

Add the version you want.

Reply



Klaus

October 22, 2010 at 11:34 pm

Hi,
thanks for this very helpfull tutorial.
I have just one question regarding jsf 2.0 and css :
How to invoke an external stylesheet e.g. "layout.css" in my jsf 2.0 project.

I tried this :

...

...

Eclipse Helios says unknown Tag <h:outputStylesheet...

Do you have any idea \ suggestion how to fix this ?

Thanks in advance and best regards

Klaus

Reply



mkyong

October 25, 2010 at 12:11 pm

To include external CSS in JSF2, try following articles

<http://www.mkyong.com/jsf2/how-to-include-cascading-style-sheets-css-in-jsf/>
<http://www.mkyong.com/jsf2/resources-library-in-jsf-2-0/>

Reply



Geno

October 14, 2010 at 5:25 pm

I guessed that the problem was with it being able to edit .xml configs. It seems that doing this on an existing project causes problems, but doing this with a brand new project is okay.

Must be an Eclipse bug...

Reply



mkyong

October 14, 2010 at 8:28 pm

What's your Eclipse version?

Reply



Geno

October 14, 2010 at 5:23 pm

Hi
When I enable the JSF facet, doing it exactly as described in your post, I get the following error:

Failed while installing JavaServer Faces 2.0

Reason:

'myproject' : unable to configure web module for JavaServer Faces

Reply



David Dhune

October 20, 2012 at 4:40 am

Geno,

Try this below may work, In your project workspace, in settings folder edit
org.eclipse.wst.common.project.facet.core (xml file)

add

Reply



David Dhune

October 20, 2012 at 4:42 am

Reply



David Dhune

October 20, 2012 at 4:46 am

add another line with facet jst.jsf and version as 2.0

Reply

I'd love your thoughts

Your email address will not be published. Required fields are marked *

Name *

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Website

Comment

Note
To post source code in comment, uses `<pre lang="language"></pre>` tag, for examples :

>

`<pre lang="java"> Java source code here </pre>`

>

`<pre lang="xml"> XML here </pre>`

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