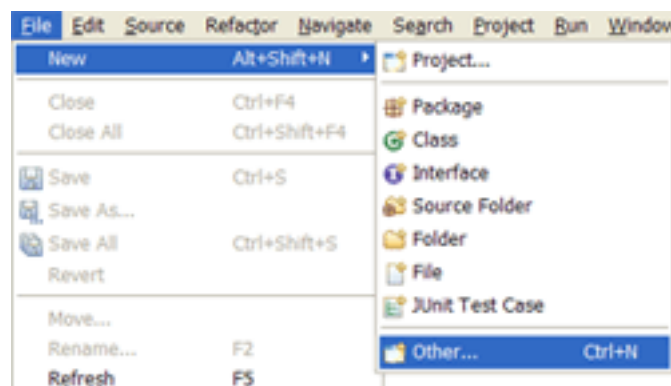


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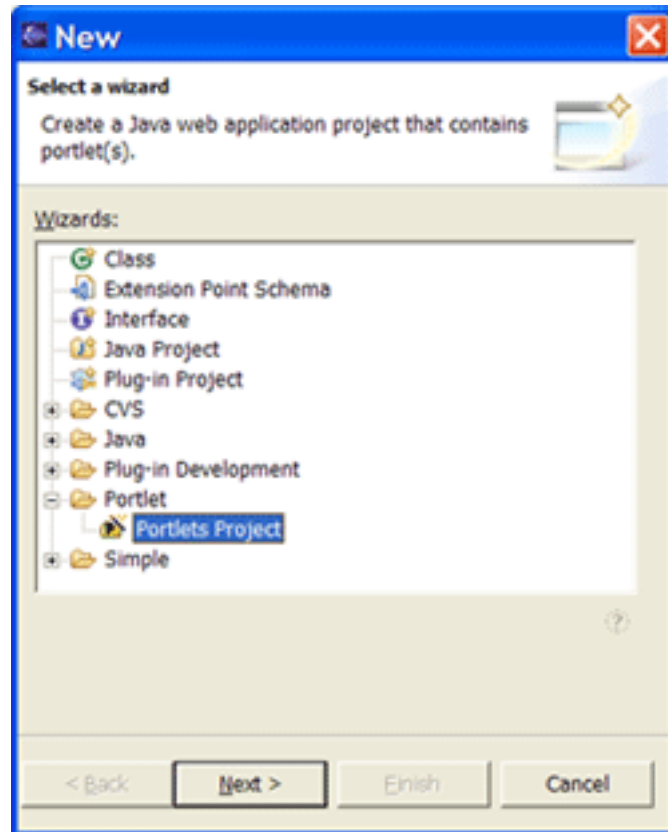
# Tutorial: Create Your First Portlet Using eXo Platform Eclipse Plugin

## Part 3: Creating a portlets project

- Now you have the plugin running with Eclipse, lets create a portlets project. The plugin has a wizard that guides you through the process and creates for you all the basic files and directories. Each portlets project should be thought of as a Java web application. In terms of JSR-168 (the portlet specification), a web application is not limited to one portlet, so you can have more than one portlet declared in the web application. However, this tutorial assumes that there will be one portlet per web application. More specifically, we are going to create a portlets project that contains one portlet. In addition, we will use the hello world template portlet provided by the wizard to create our portlet.
- Lets start by invoking the 'New' wizard. This wizard comes with Eclipse and it will be the starting point to launch the 'Portlets Project' wizard. To invoke the 'New' wizard you can use Ctrl+N or from the menu select File -> New -> Other...



- In the 'New' wizard, expand the 'Portlet' node and select 'Portlets Project', then click on the Next > button.



- This will bring the 'Portlets Project' wizard. The wizard consists of three pages. The first page is the 'Project Settings Page'. We will name the project as 'tutorial-project'. For the location of the project content we will stick with the default. For the source folder name and the web content folder name, they will be 'src' and 'web-content' respectively. For the context root name, we will give it the name of 'tutorial-portlets'. Notice that the context root name is going to be used later when you deploy the application. The context root name will be used as the directory name to create under tomcat webapps directory which will contain your deployed application. Also, the context root name is going to be used to populate the value of the `<display-name>` tag in the web.xml file (this is part of the eXo portlet container requirement). Click the Next > button to move to the next page.

**Create a Java Web Application Project that cont...**

**Project Settings Page**

Supply the information necessary to create the project such as name, path, src and web.

Project name:

Project contents

☒ Use default

Directory:

Source folder setting

Please provide the name of the folder that will contain the source code once the project is created :

Web content folder setting

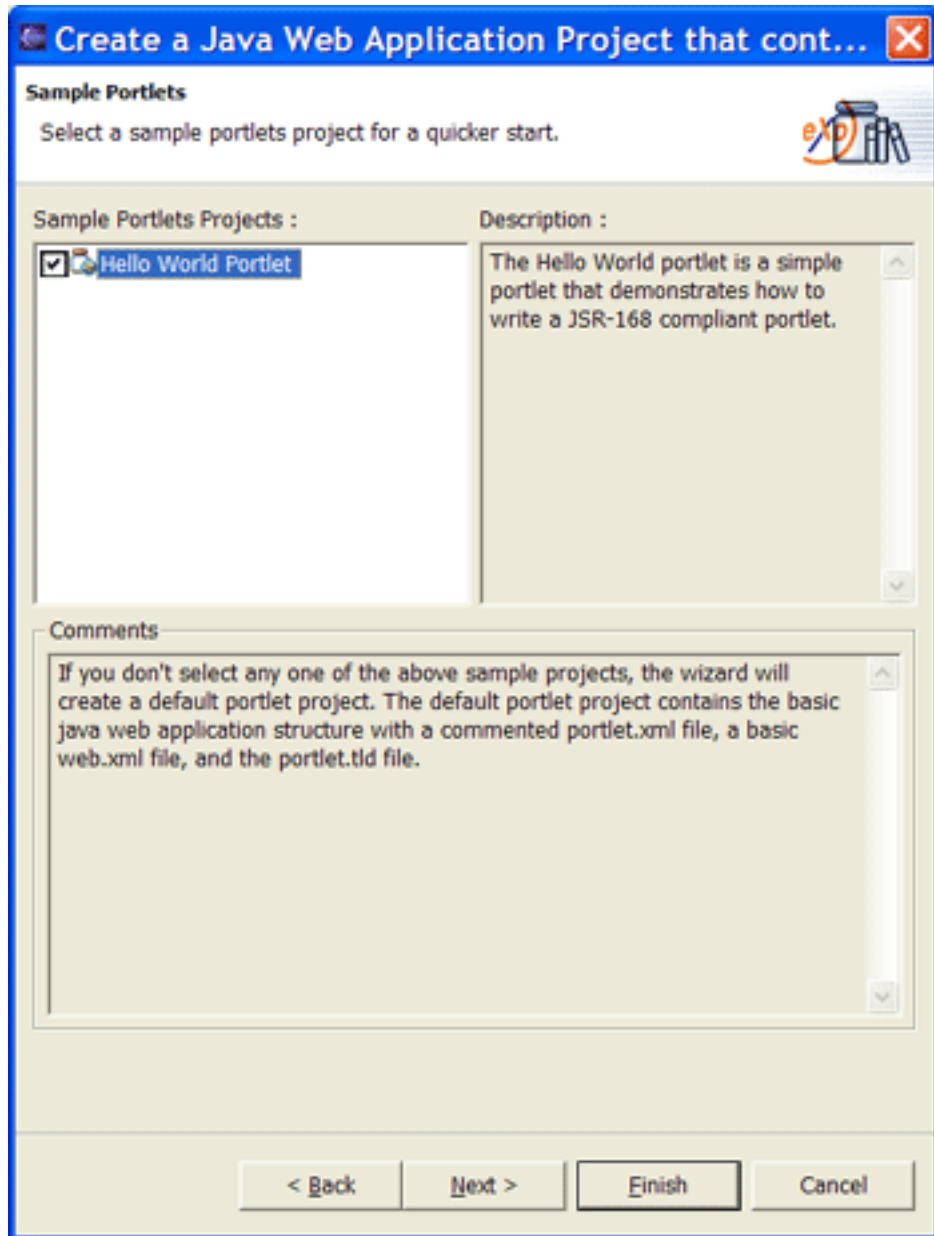
Please provide the name of the folder that will contain the web content (jsp pages, WEB-INF directory, etc.) :

Context root setting

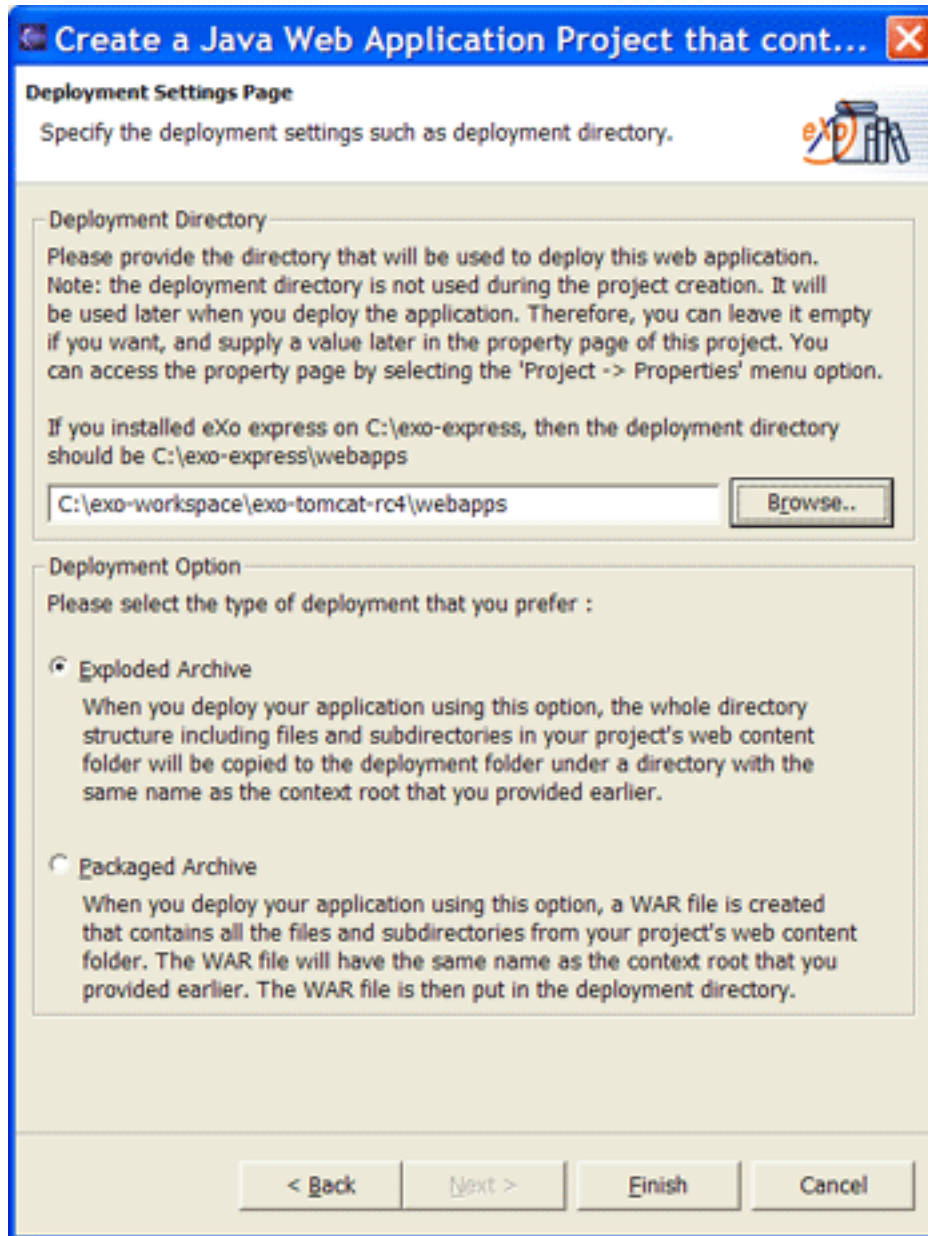
Please provide the context root to use for this web application during deployment. Note: the context root is not used during the project creation. It will be used later when you deploy the application. Therefore, you can leave it empty if you want, and supply a value later in the property page of this project. You can access the property page by selecting the 'Project -> Properties' menu option

< Back   Next >   Finish   Cancel

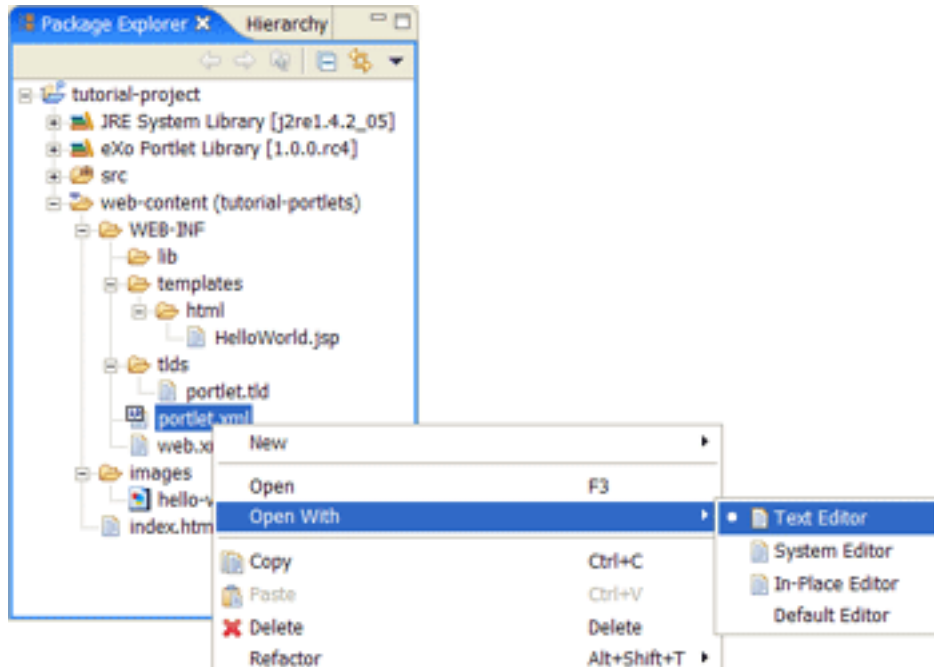
- In the 'Sample Portlets' page, select the 'Hello World Portlet'. We will change the name of the portlet and its description, after we create the project. Click the Next > button to move to the next page.



- In 'Deployment Settings Page', use the Browse... button to navigate to the location where you installed the binary distribution of eXo Platform and select the folder named 'webapps', this is the location where the plugin will deploy your portlets project into. As for the deployment options radio buttons, we suggest you stick with the default selection. Click the Finish button.



- Using the 'Package Explorer' view, spend a few seconds to get familiar with the directory structure of the newly created project. Now that you are familiar with the structure of the project, let's change the name of the portlet by editing the portlet.xml file. To edit the portlet.xml file, first locate it in the 'Package Explorer' view, then select the Open With -> Text Editor option from the popup menu.



- We will change the name of the portlet, its display name and its description. For the description, let's change it from 'My First Hello World Portlet' to 'My First Tutorial Portlet'. For the name of the portlet, let's change it from 'HelloWorld' to 'TutorialPortlet'. For the display name, let's change it from 'Hello World' to 'Tutorial Portlet'. Do not forget to save your changes.

```
<?xml version="1.0" encoding="UTF-8"?>
<portlet-app version="1.0" xmlns="http://java.sun.com/xml/ns/portlet/portlet-app_1_0.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/portlet/portlet-app_1_0.xsd http://java.sun.com/xml/ns/portlet/portlet-app_1_0.xsd">
  <portlet>
    <description xml:lang="EN">My First Tutorial Portlet</description>
    <portlet-name>TutorialPortlet</portlet-name>
    <display-name xml:lang="EN">Tutorial Portlet</display-name>
    <portlet-class>HelloWorldPortlet</portlet-class>

    <expiration-cache>-1</expiration-cache>

    <supports>
      <mime-type>text/html</mime-type>
      <portlet-mode>edit</portlet-mode>
      <portlet-mode>help</portlet-mode>
    </supports>

    <supported-locale>en</supported-locale>

    <portlet-info>
      <title>Hello World</title>
      <short-title>Hello</short-title>
      <keywords>hello</keywords>
    </portlet-info>
  </portlet>
</portlet-app>
```

- We want to change the name of the portlet so that when we deploy it, we don't confuse it with the hello world portlet that comes from the HelloWorld web application which is shipped by default with the binary distribution of eXo Platform.
- The end of part 3. Lets move on to [part 4](#).

[Main.plugin-tutorial1-p3](#) (en)

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