

# Liferay IDE Installation and Development on Windows

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*Prepared by M&S Consulting*

*Last Modified: December 26, 2010*

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## Background

I am installing Liferay IDE locally on Windows 7 Ultimate 64-Bit for development and prototyping purposes with Liferay 6.0.5 bundled with Tomcat 6.0.26. This guide walks through the following topics:

- Installing Liferay IDE
- Liferay Plugins SDK Installation and Configuration in Liferay IDE
- Liferay Portal Configuration in Liferay IDE
- Developing and Deploying HelloWorld Portlet in Liferay IDE

## Eclipse, the Prerequisite



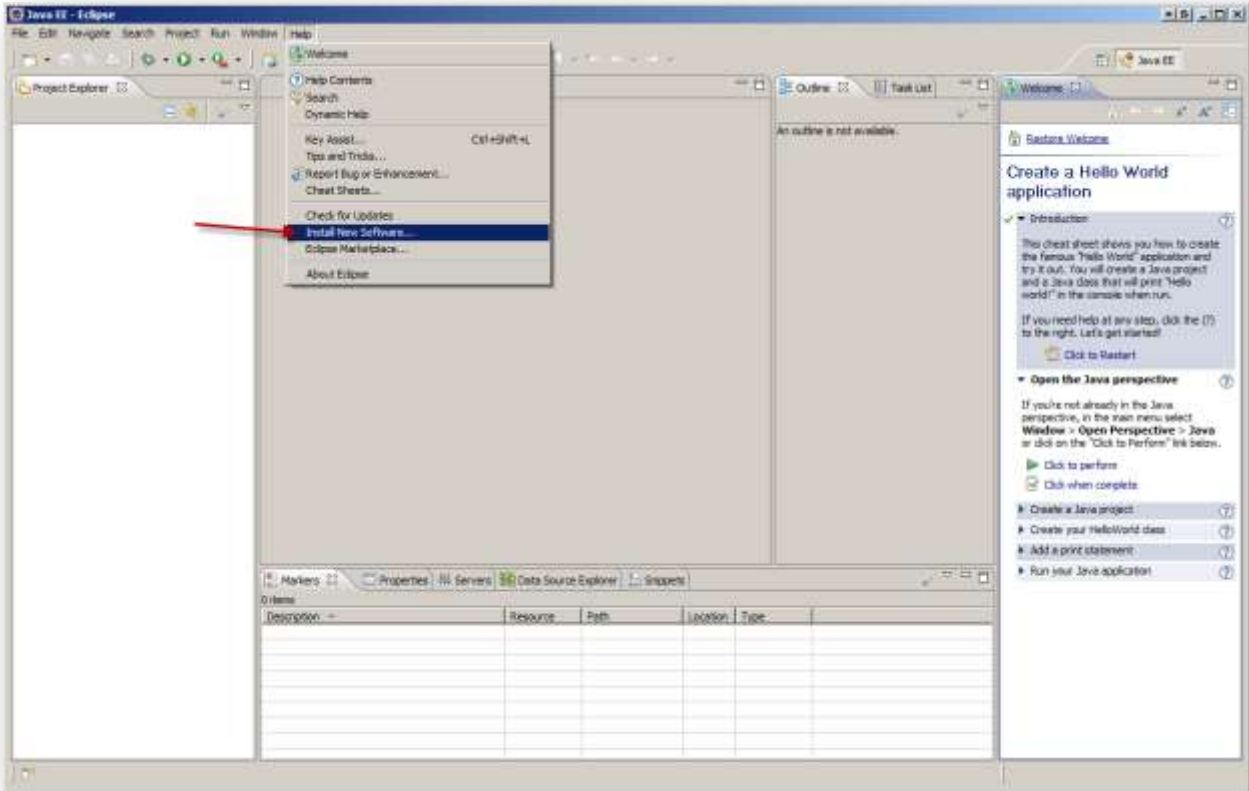
The screenshot shows the Eclipse Downloads page. The main heading is "Eclipse Downloads". Below it, there are tabs for "Packages", "Developer Builds", and "Projects". The "Packages" tab is selected, and the "Eclipse Helios (3.6.1) Packages for Windows" dropdown is open. The list of packages includes:

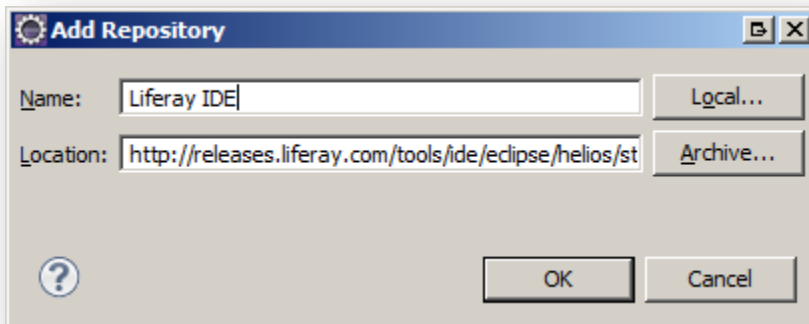
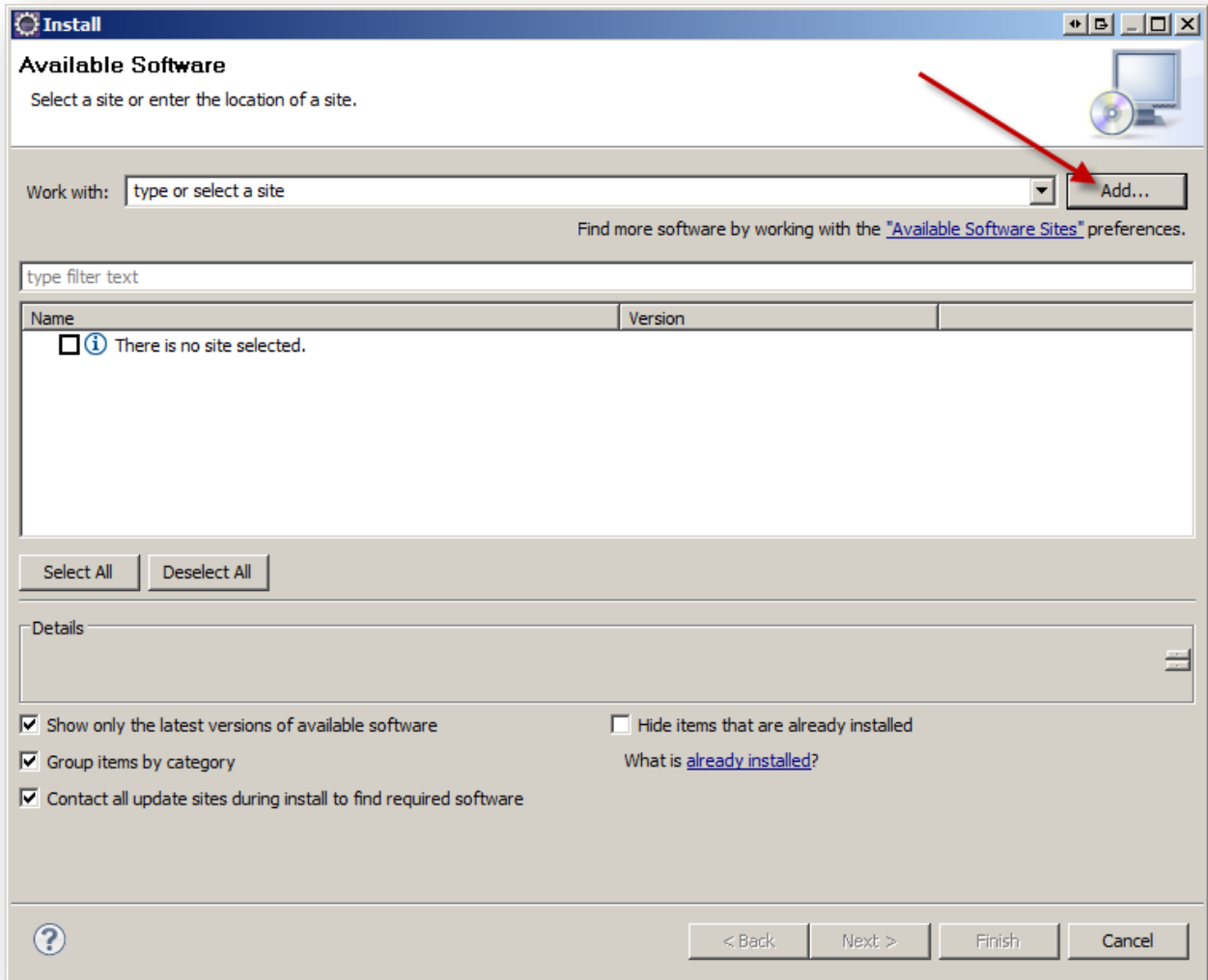
Package Name	Size	Downloaded Times	Details	Windows 32 Bit	Windows 64 Bit
Eclipse IDE for Java Developers	99 MB	1,336,620	<a href="#">Details</a>	Download	Download
<b>Eclipse IDE for Java EE Developers</b>	<b>206 MB</b>	<b>901,946</b>	<a href="#">Details</a>	Download	Download
Eclipse Classic 3.6.1	170 MB	520,504	<a href="#">Details</a> <a href="#">Other Downloads</a>	Download	Download
Eclipse IDE for C/C++ Developers	88 MB	376,983	<a href="#">Details</a>	Download	Download
Eclipse for PHP Developers	141 MB	202,358	<a href="#">Details</a>	Download	Download
Eclipse IDE for JavaScript Web Developers	108 MB	75,349	<a href="#">Details</a>	Download	Download
Eclipse Modeling Tools (includes incubating components)	249 MB	57,706	<a href="#">Details</a>	Download	Download
Pulsar for Mobile Developers	122 MB	49,093	<a href="#">Details</a>	Download	Download
Eclipse IDE for Java and Report Developers	241 MB	48,830	<a href="#">Details</a>	Download	Download
Eclipse for RCP and RAP Developers	188 MB	45,600	<a href="#">Details</a>	Download	Download
Eclipse SOA Platform for Java and SOA Developers (includes incubating components)	188 MB	24,352	<a href="#">Details</a>	Download	Download

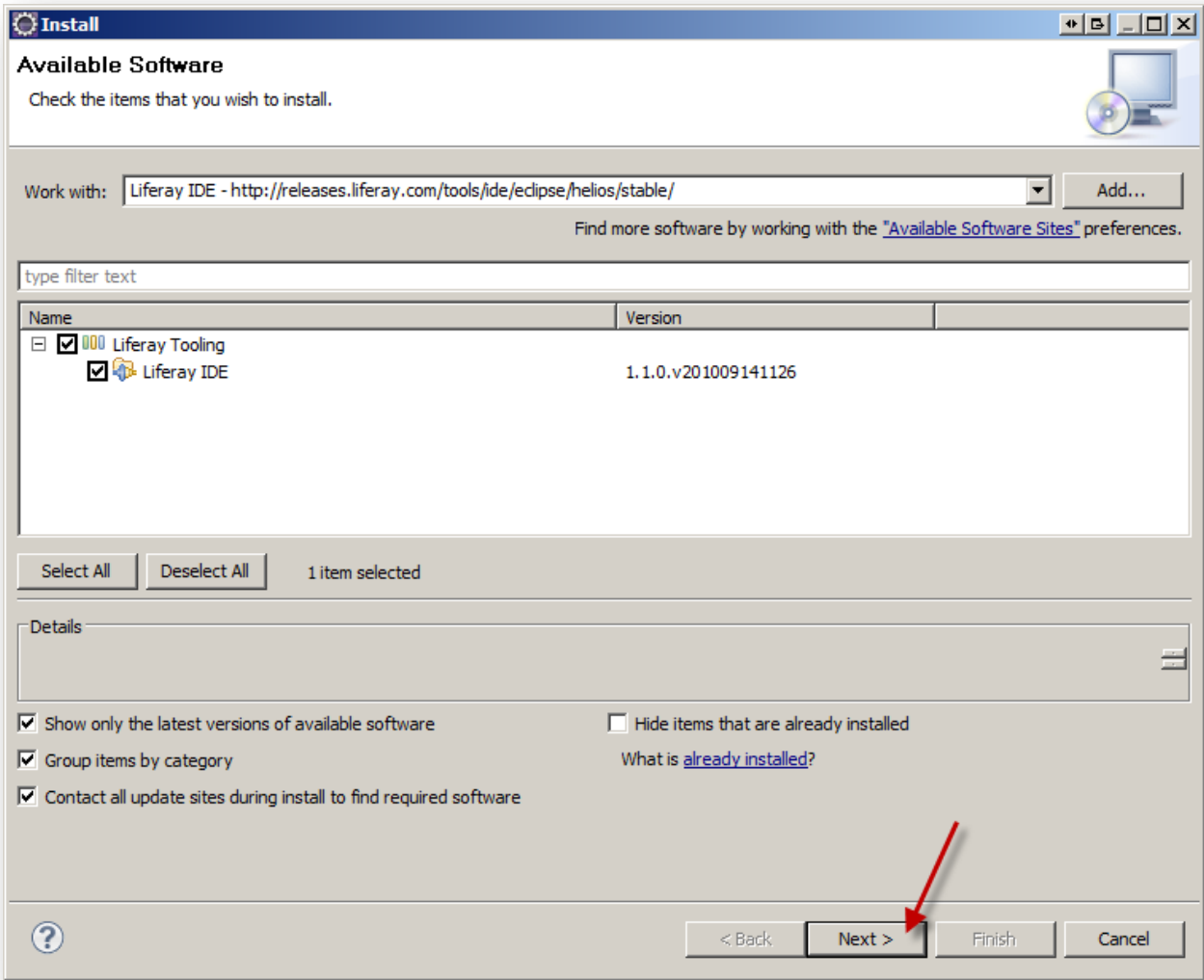
On the right side, there is a "Hint" section stating: "You will need a Java runtime environment (JRE) to use Eclipse (Java 5 JRE recommended). All downloads are provided under the terms and conditions of the Eclipse Foundation Software User Agreement unless otherwise specified." Below the hint is a box for "Follow your own migration path" with the text "Get full support for Eclipse 3.3 through 3.6" and the EclipseSource logo. Further down, there are sections for "Installing Eclipse" (with links to Install Guide, Known Issues, and Updating Eclipse) and "Related Links" (with links to Source Code, Documentation, Make a Donation, Forums, Eclipse Helios (3.6), Eclipse Galileo (3.5), and Eclipse Ganymede (3.4)).

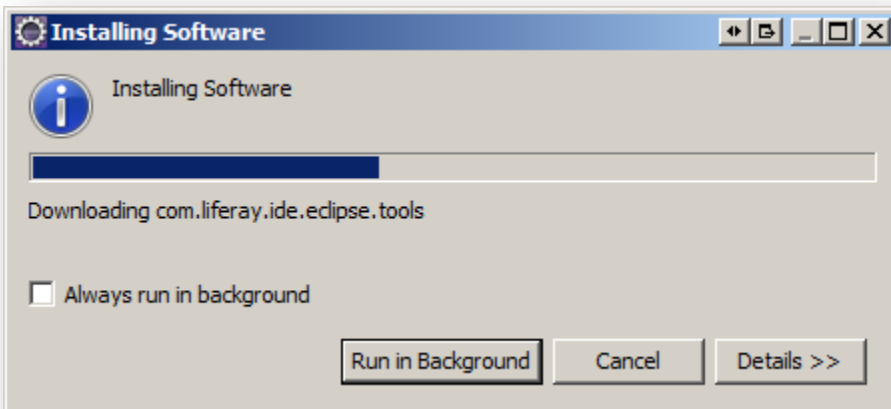
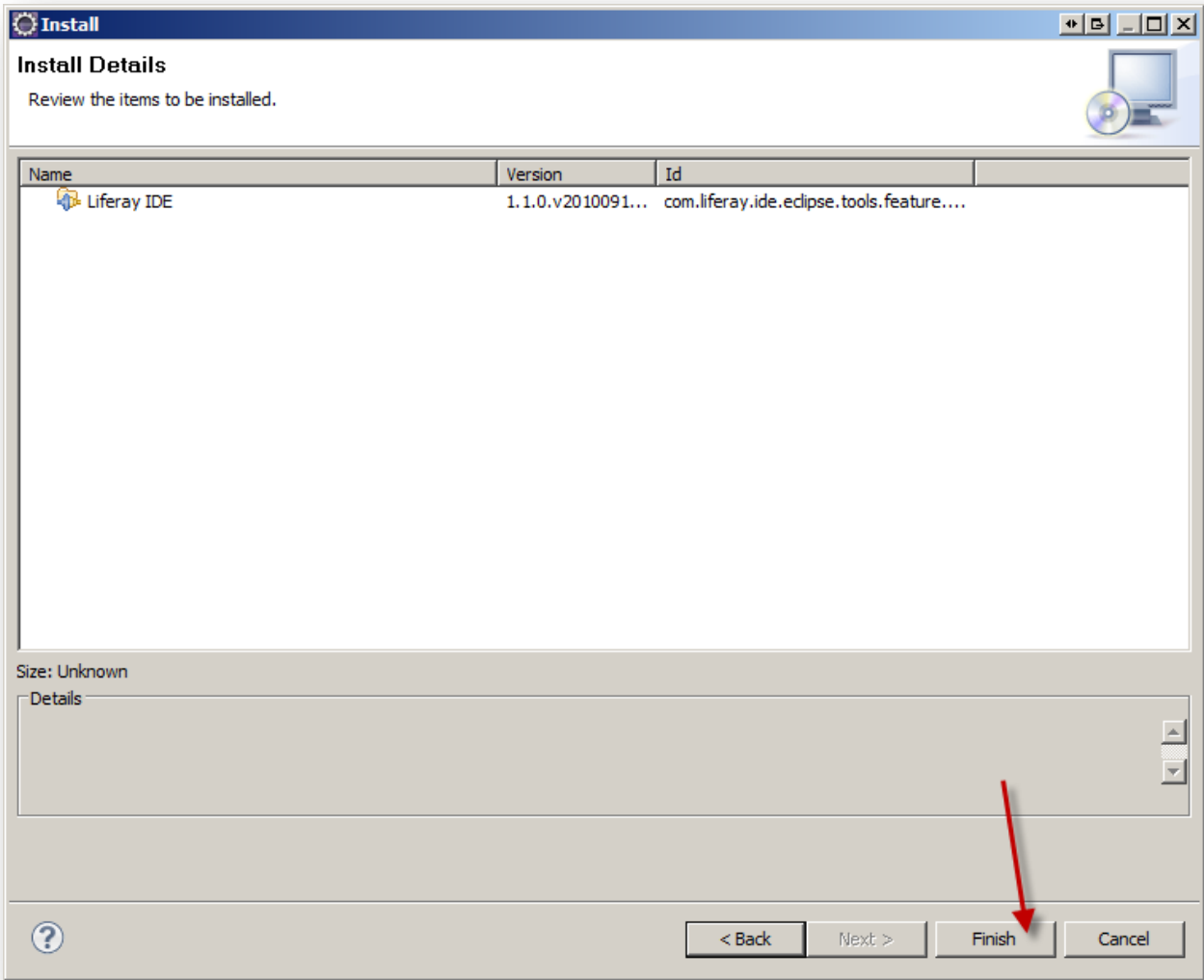
If you don't already have it, download Eclipse Eclipse Helios IDE for Java EE Developers (see [Eclipse versioning conventions](#)) from the [Eclipse downloads page](#). If you do already have it, you might want to follow steps to [update Eclipse](#).

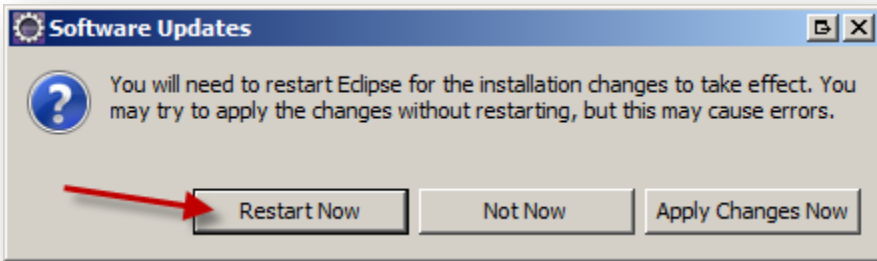
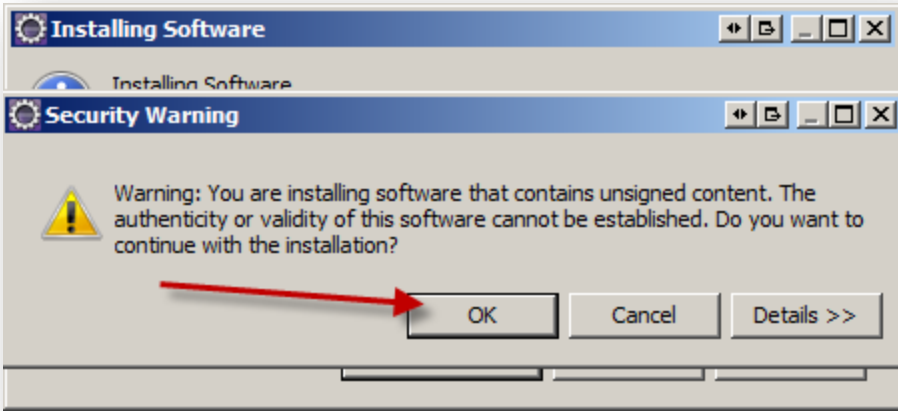
## Installing Liferay IDE

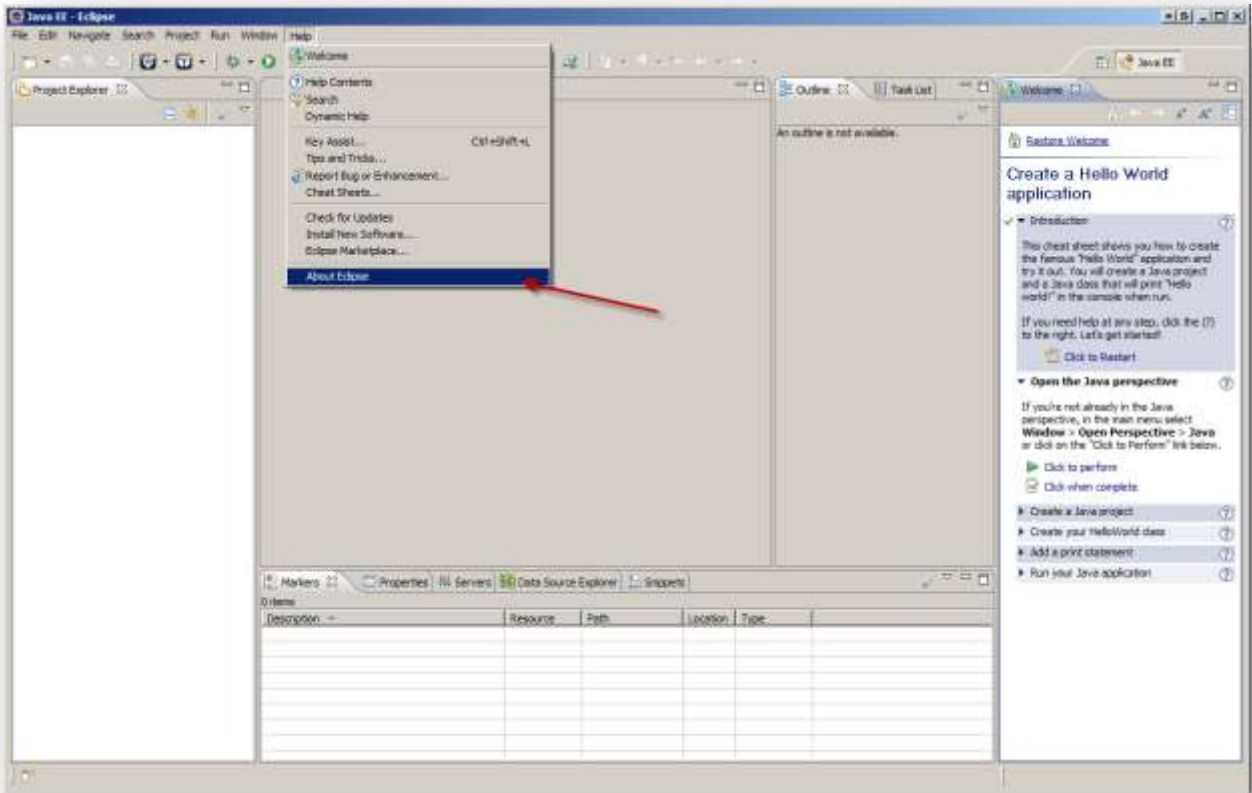








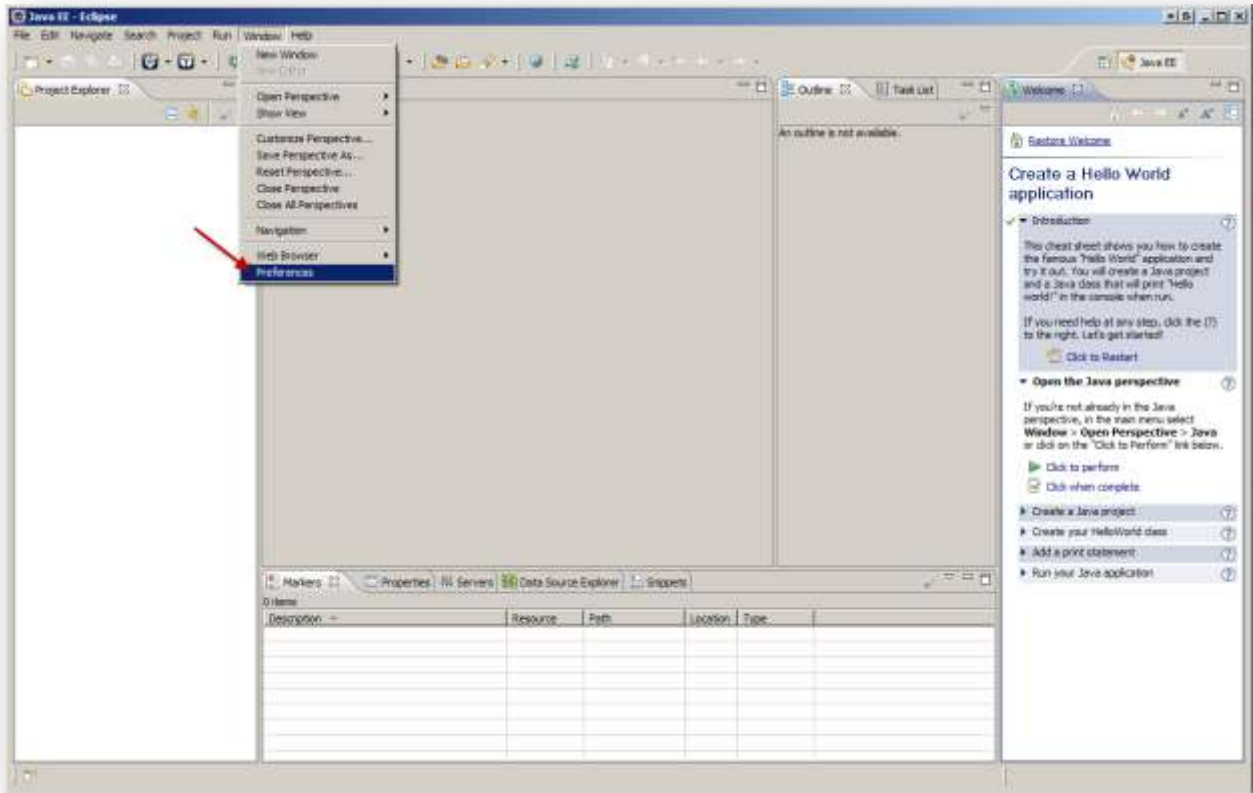




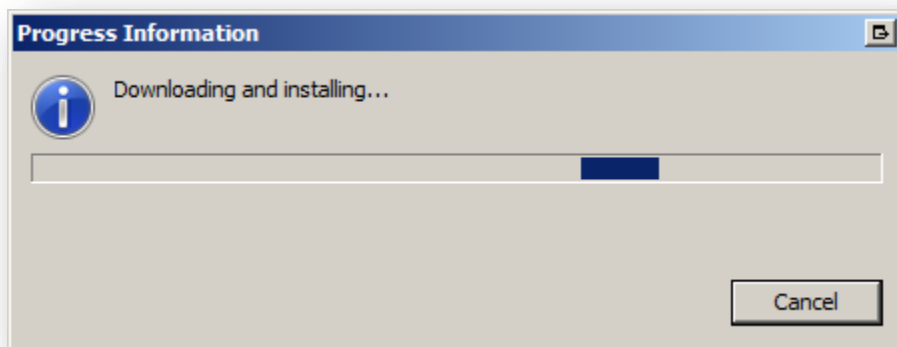
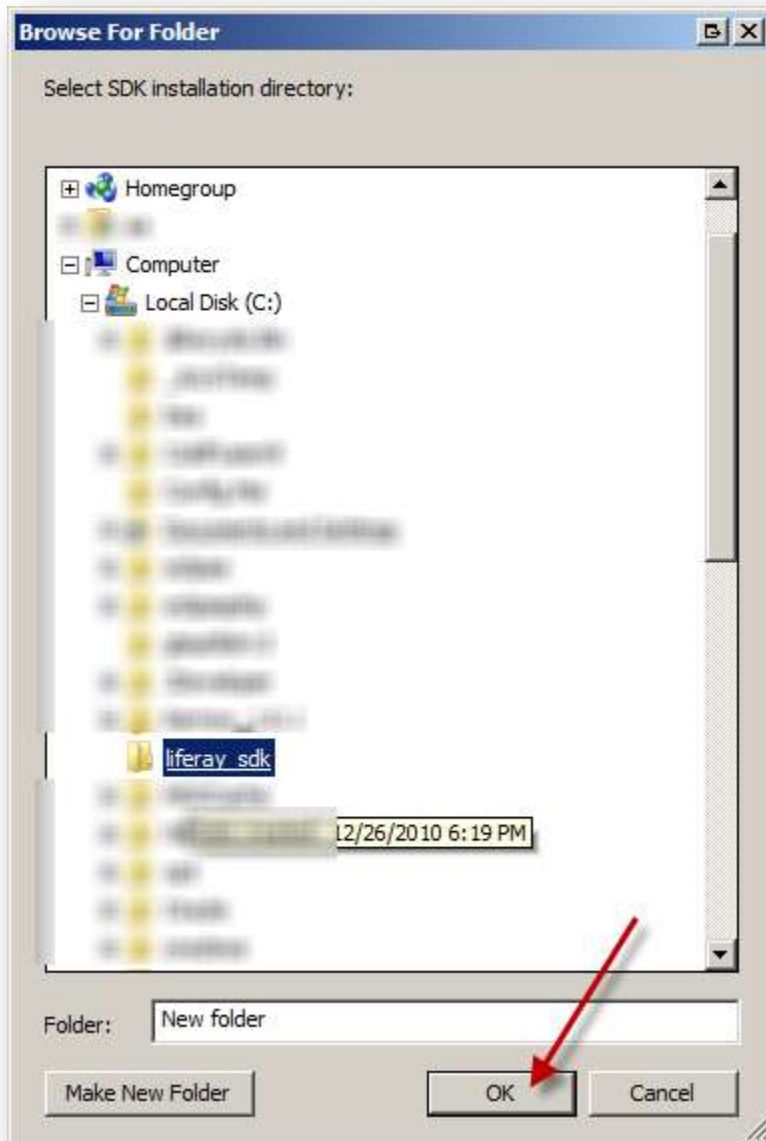




## Liferay Plugins SDK Installation and Configuration in Liferay IDE

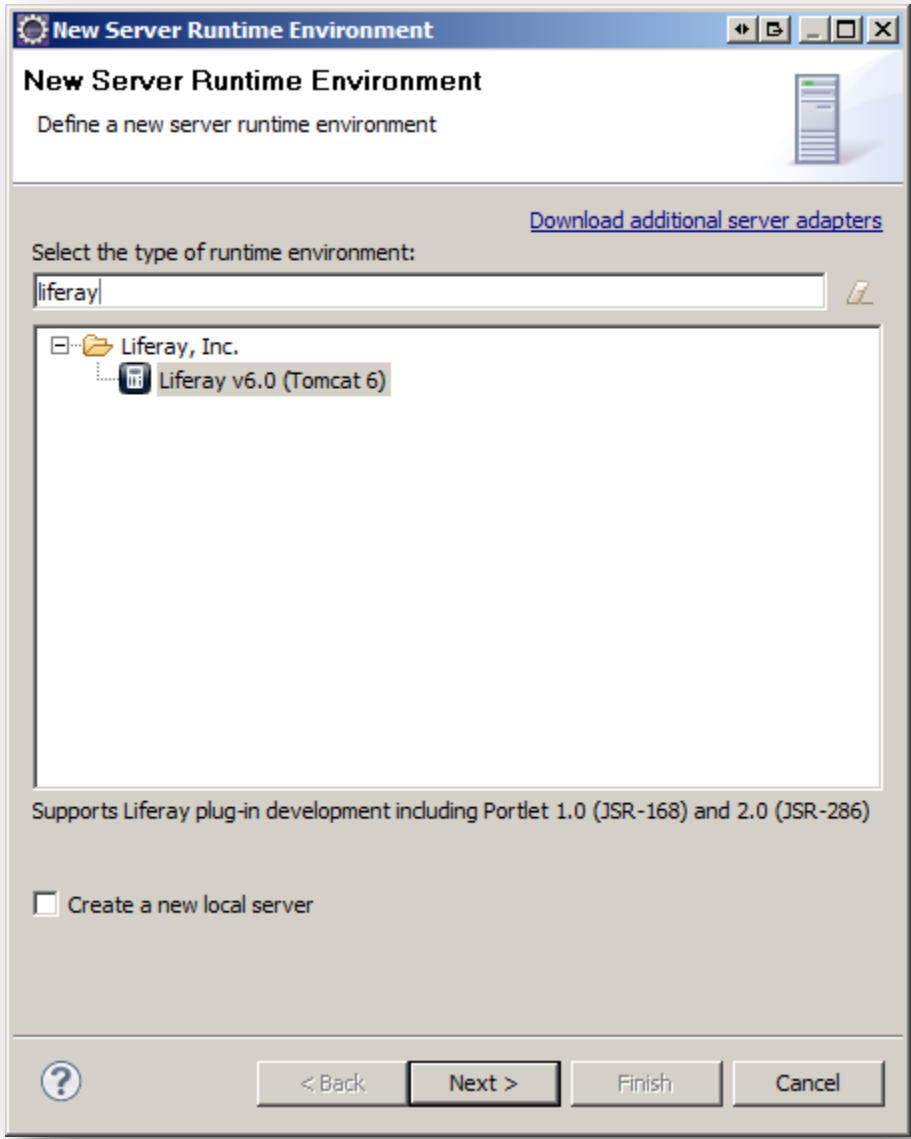






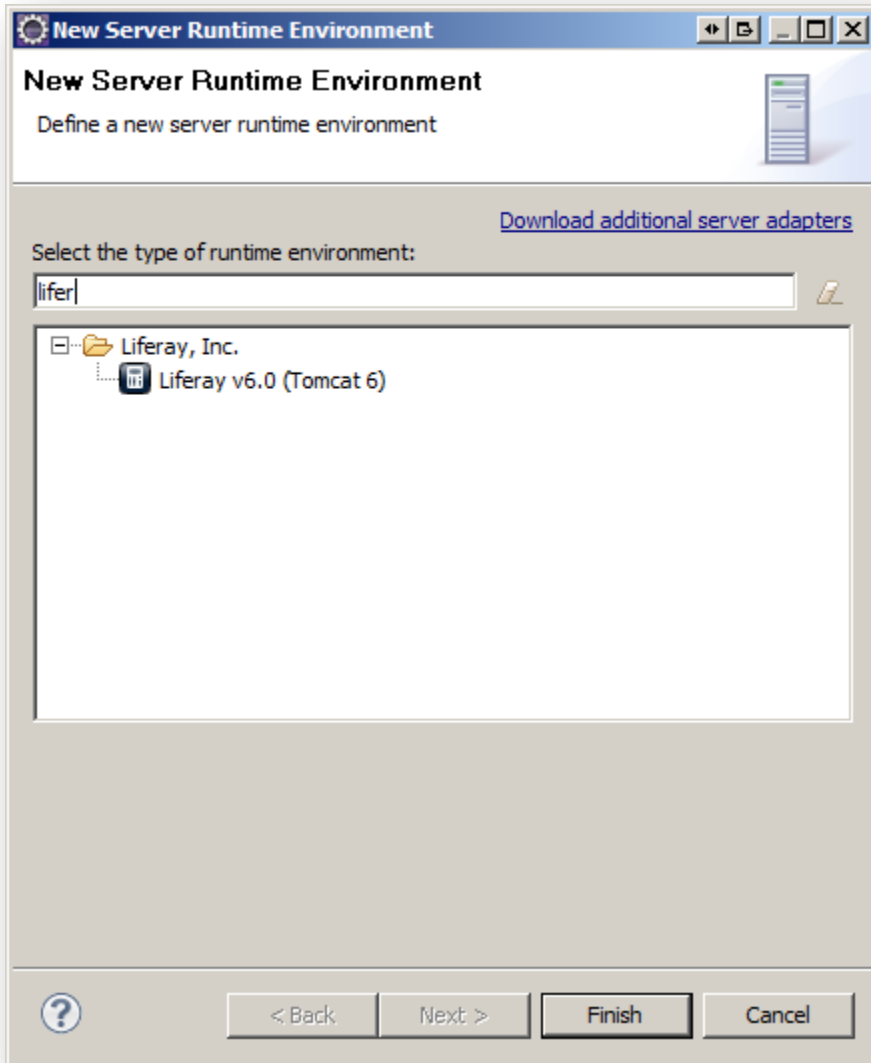


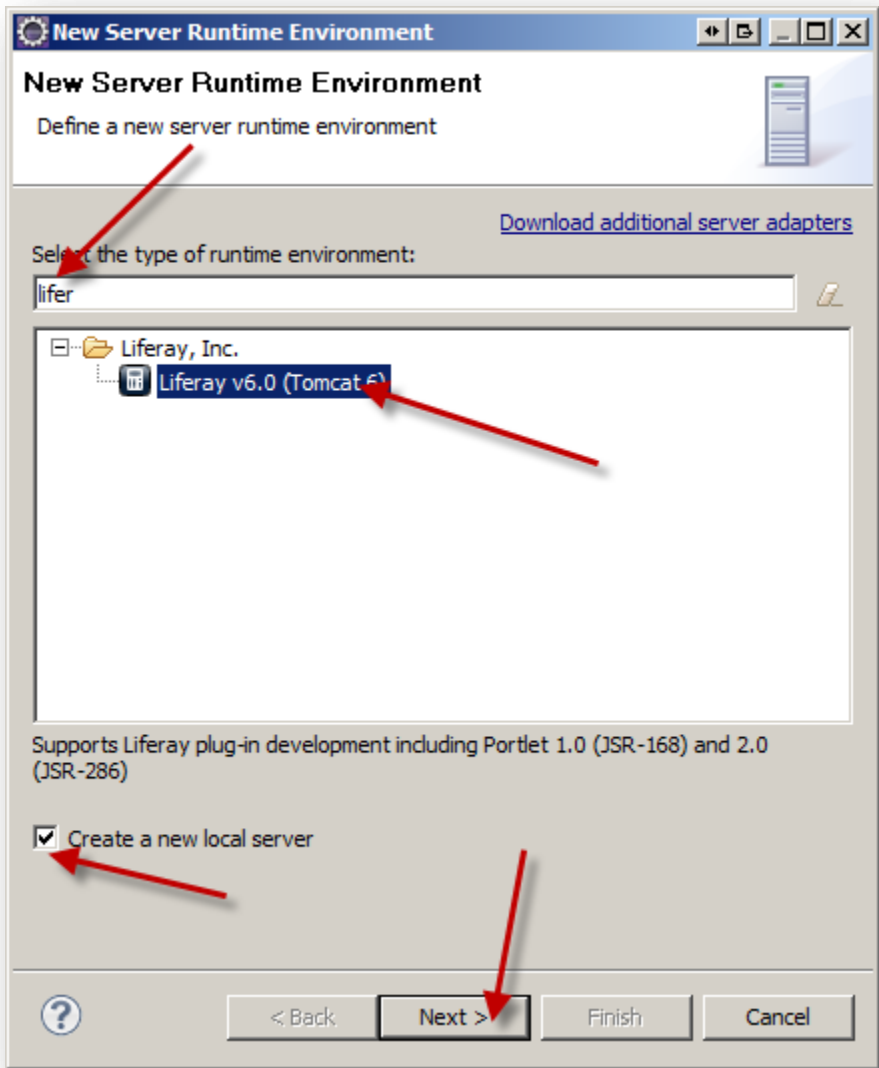


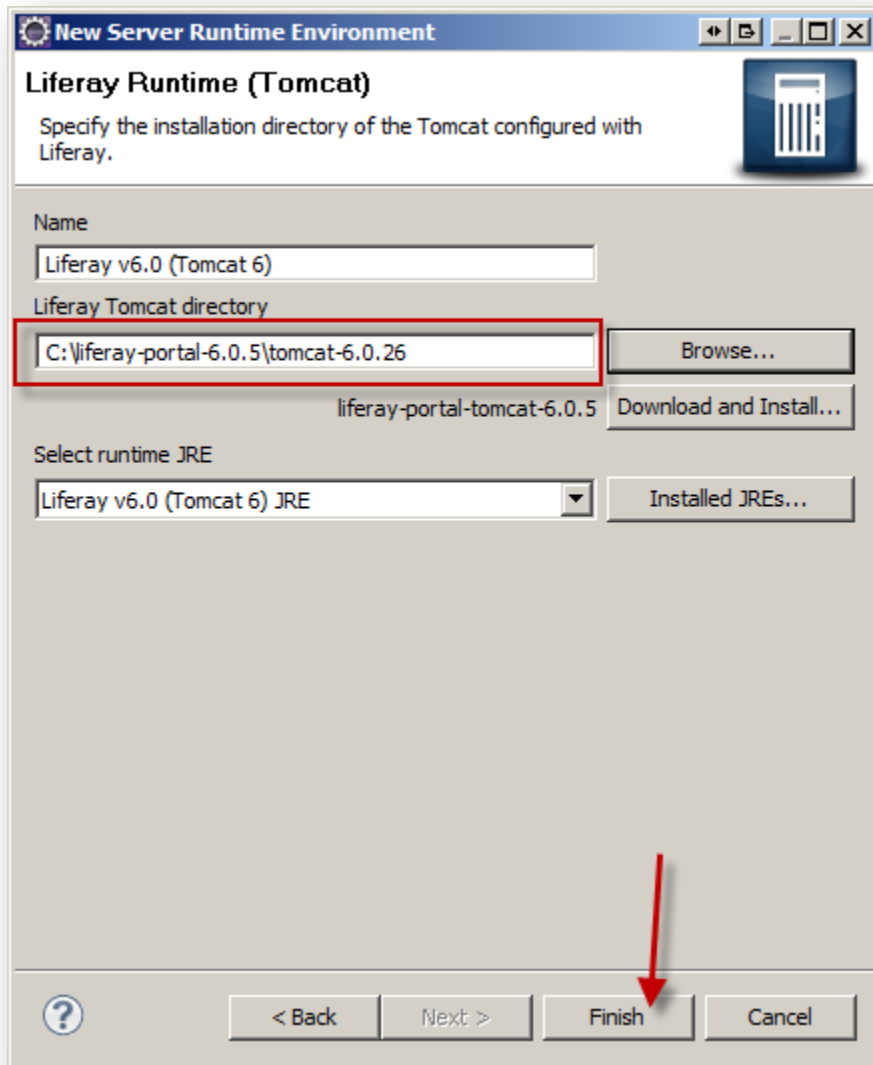






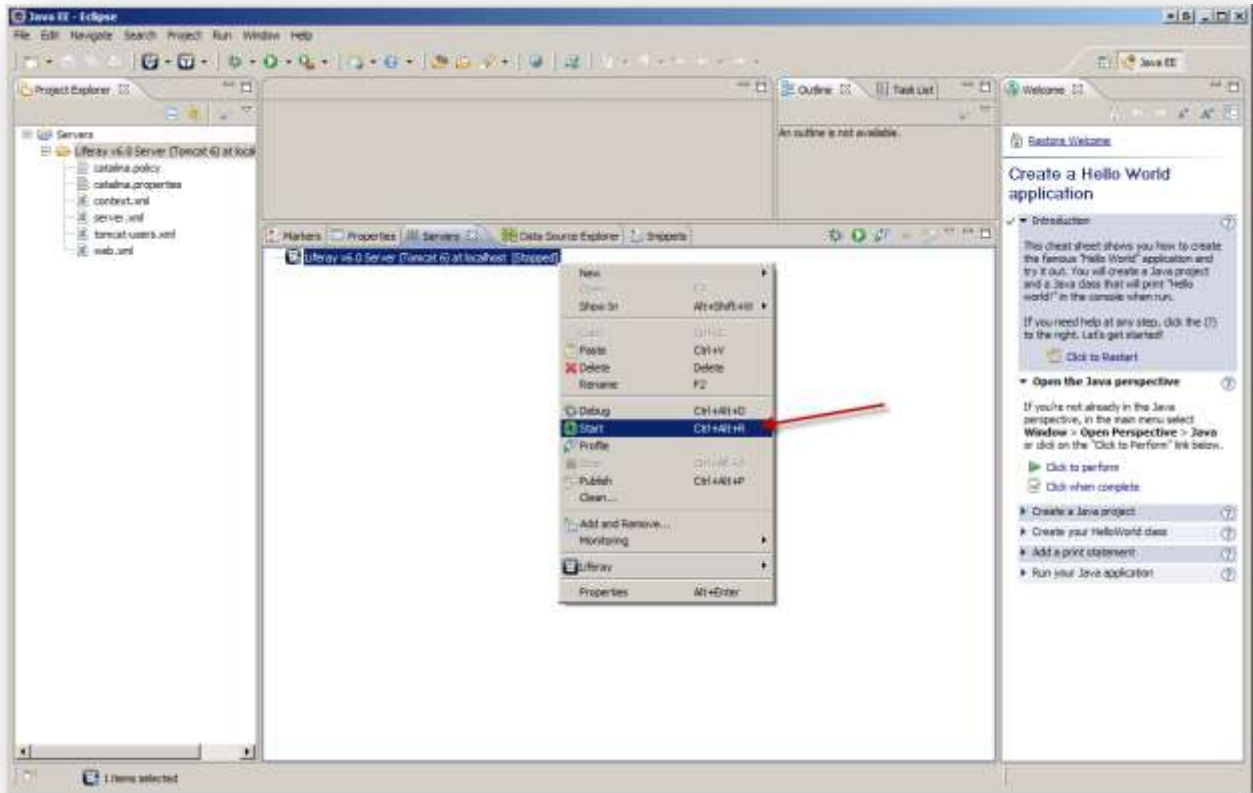




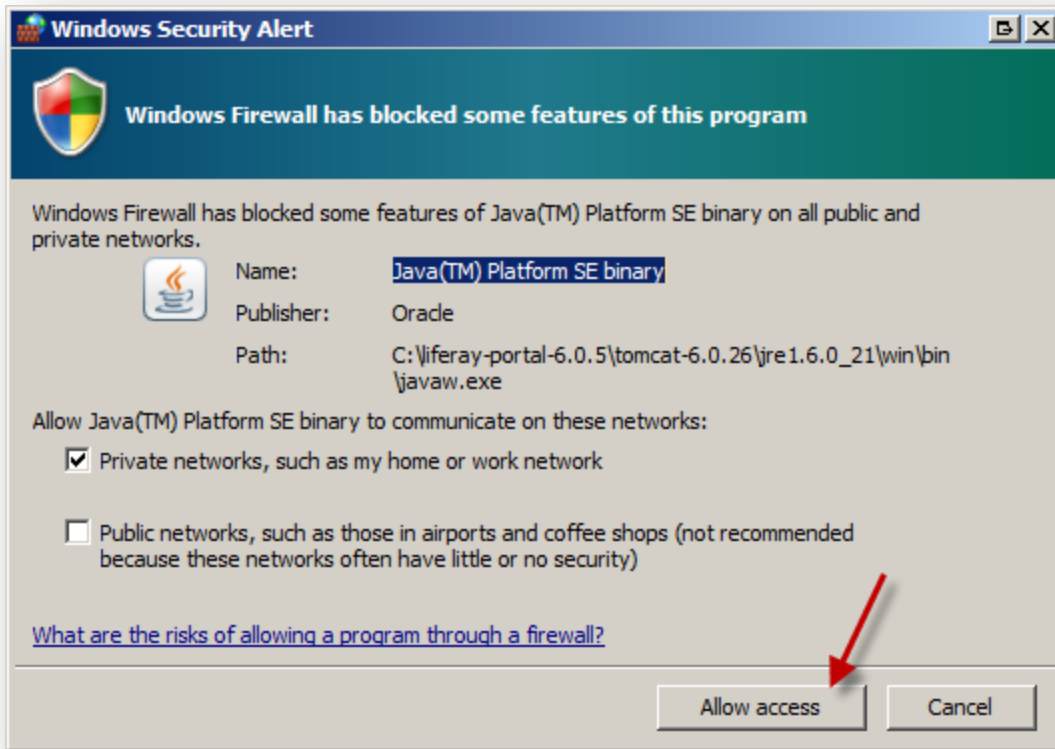


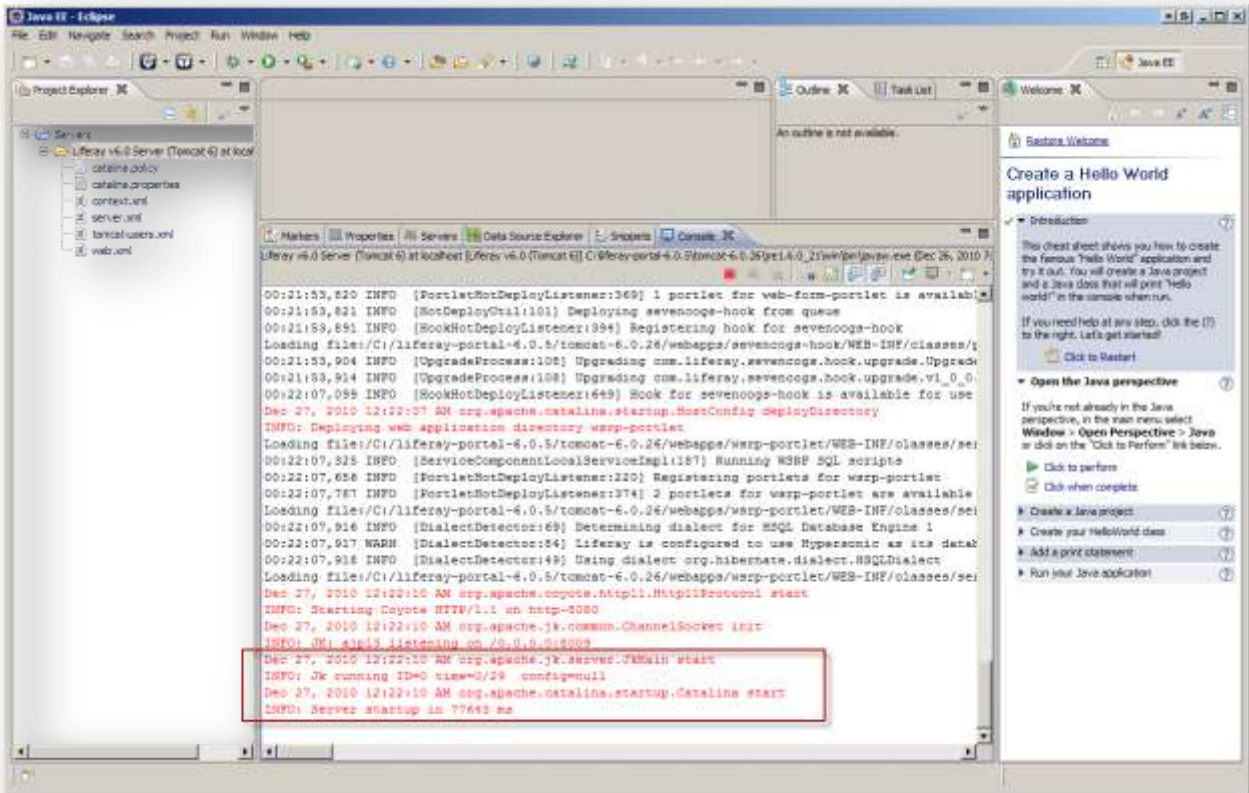
Here, I simply pointed to the Liferay 6.0.5 with Tomcat 6.0.26 bundle that I had [downloaded from SourceForge](#) and extracted to C:\liferay-portal-6.0.5.





Test the Liferay Portal configuration by starting from within Eclipse.



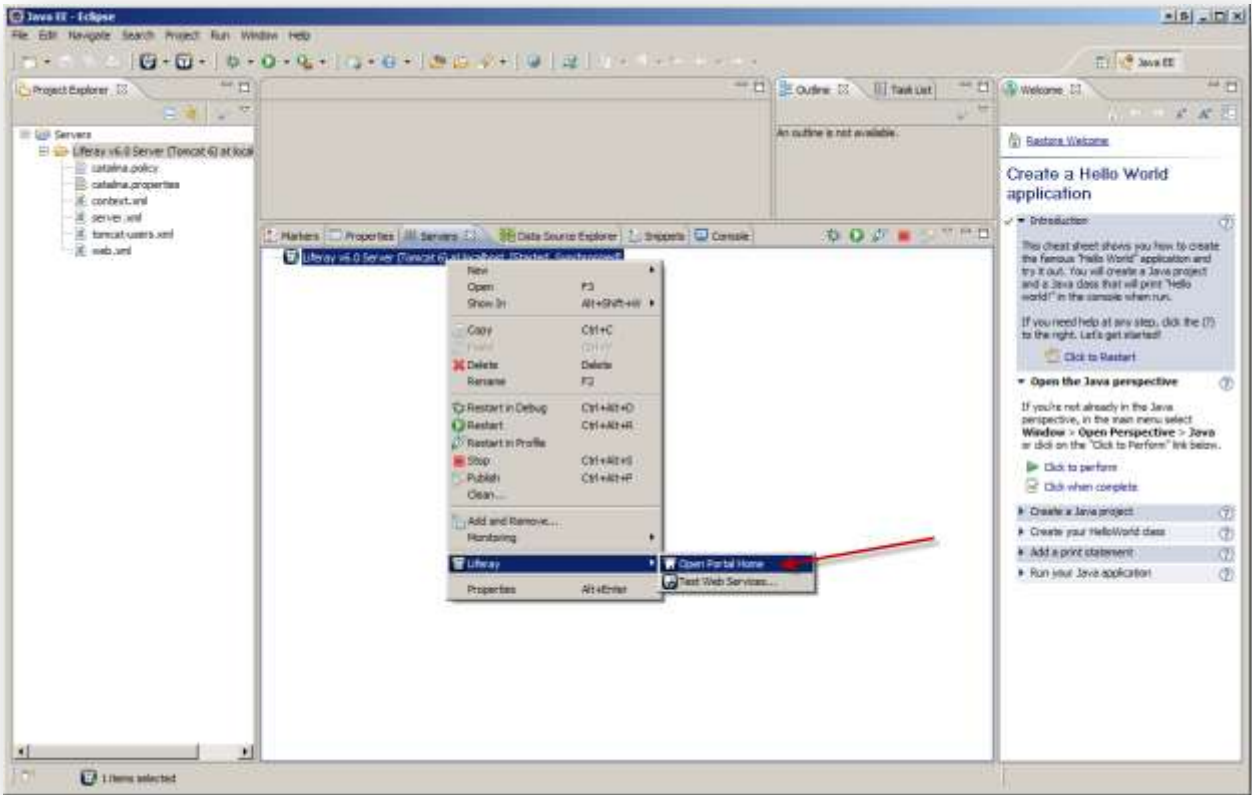


Console shows that startup was successful.



Navigate to <http://localhost:8080> web browser (in my case, Google Chrome) to verify Liferay Portal was started from within Eclipse.

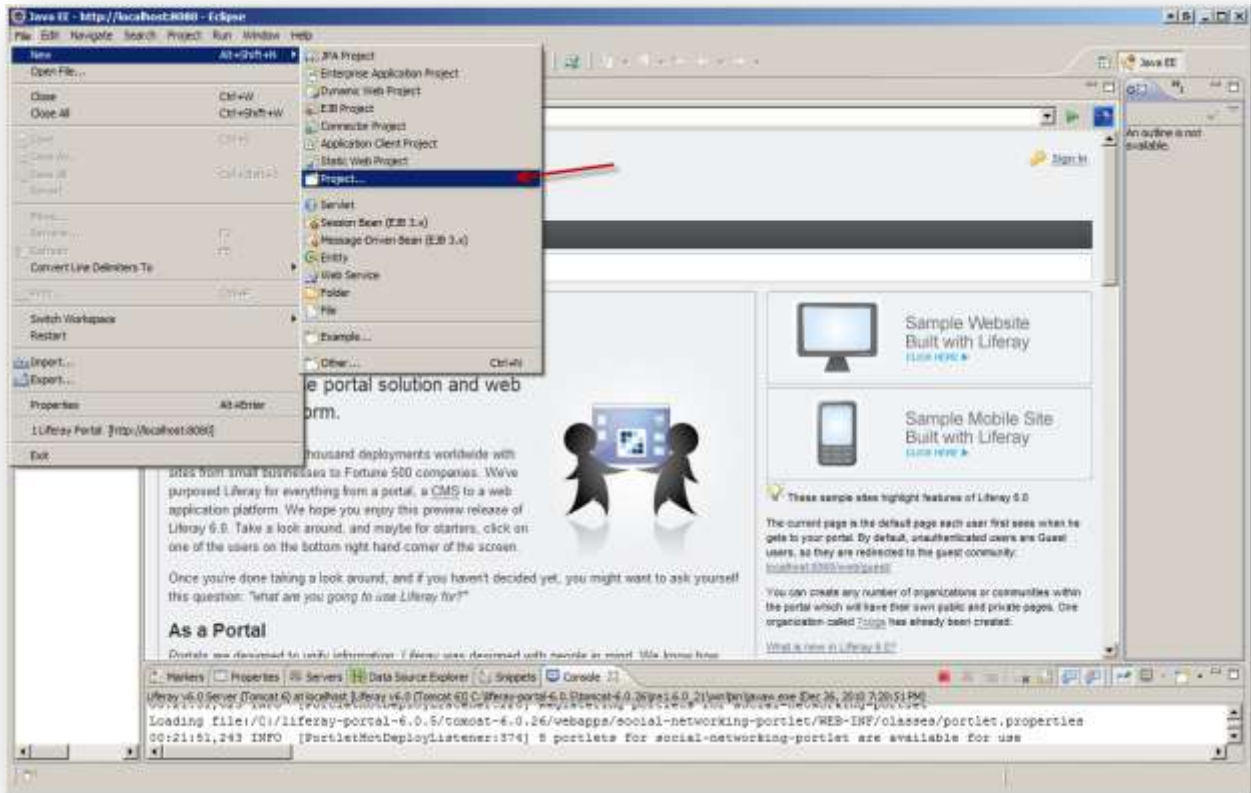


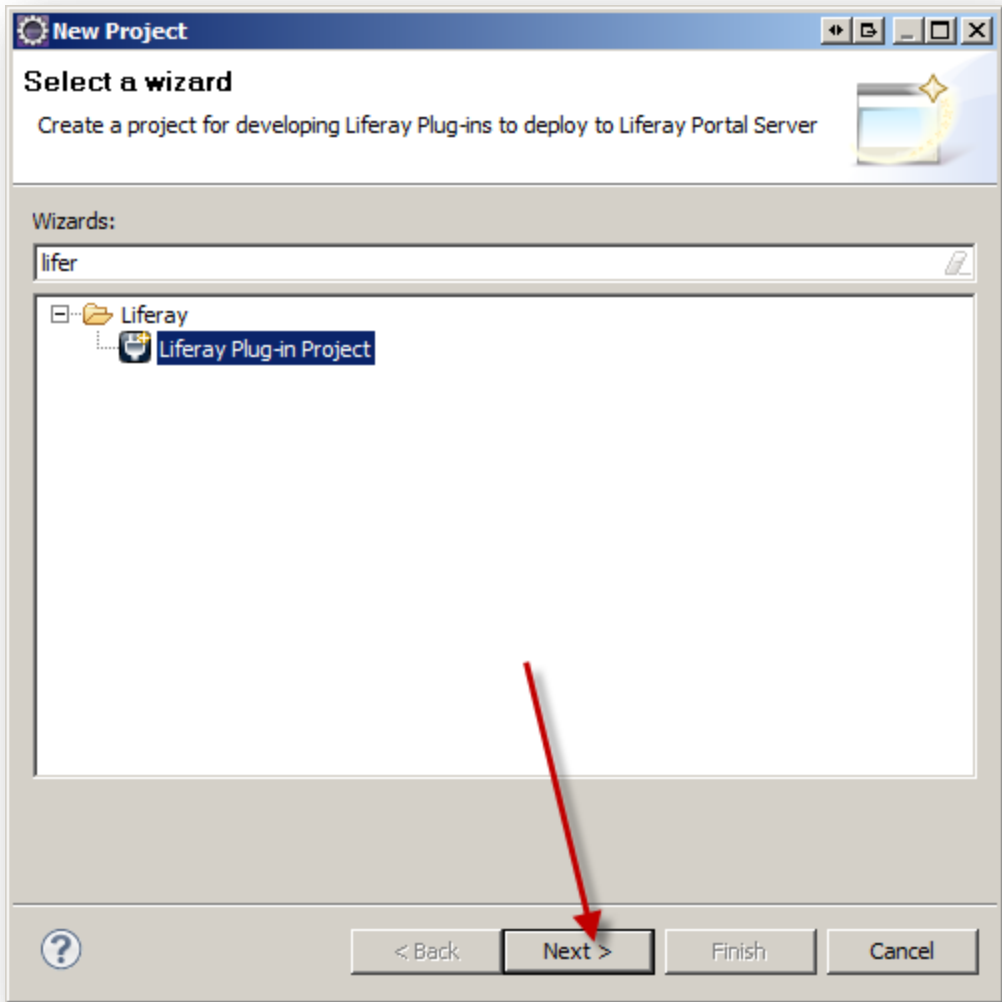


You can also navigate to this same Liferay portal home from within Eclipse (though I personally prefer to use my Google Chrome browser instead).



## Developing and Deploying HelloWorld Portlet in Liferay IDE





**New Liferay Plug-in Project**

**Liferay Plug-in Project**  
Create a new plug-in project for Liferay Portal.

Project name:

Display name:






Configuration

Liferay Plug-ins SDK:  [Configure](#)

Liferay Portal Runtime:  [New ...](#)

[Advanced project configuration...](#)

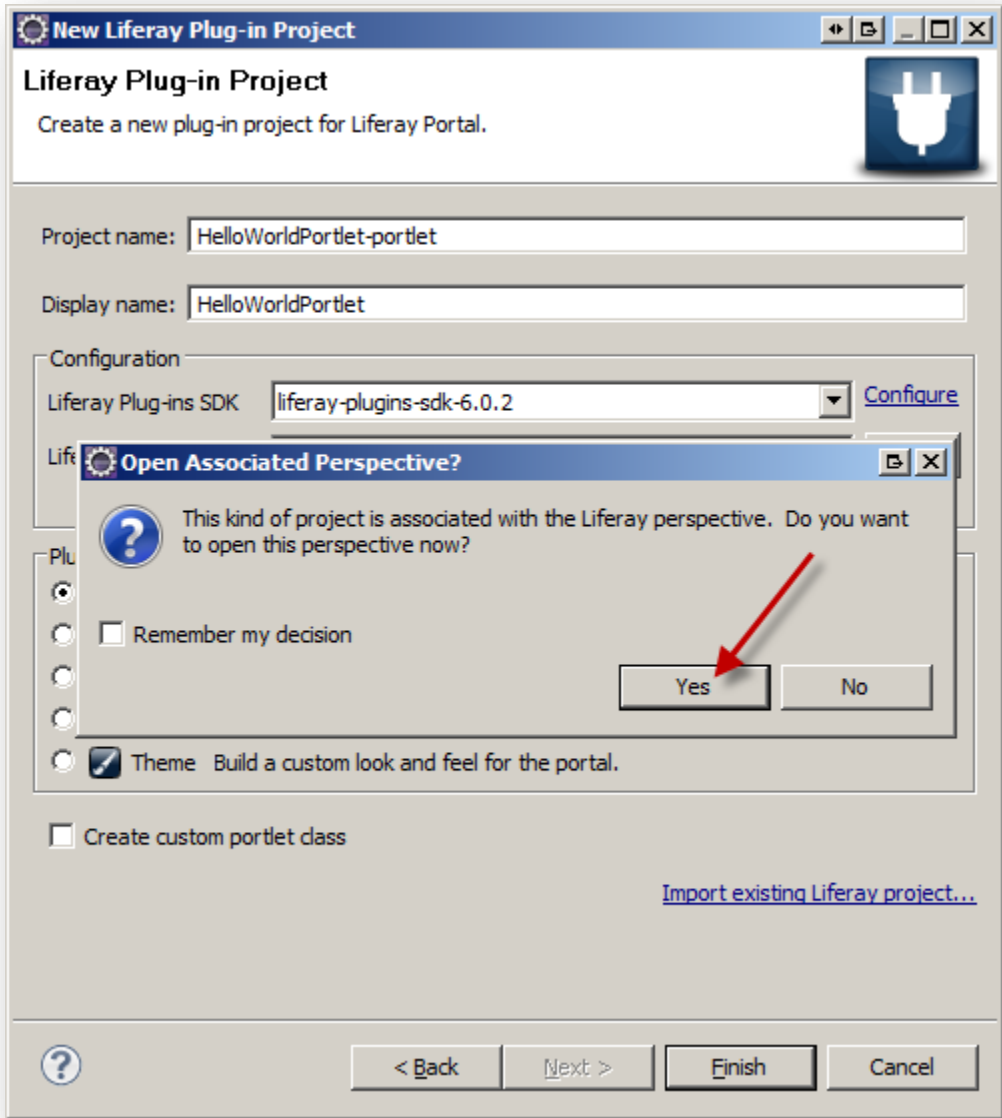
Plug-in Type

-  **Portlet** Create a web application using the portlet framework.
-  **Hook** Override or extend Liferay's default behavior and functionality.
-  **Ext** Light-weight extension environment for Liferay as a plug-in.
-  **Layout** Create a new custom layout for Liferay pages.
-  **Theme** Build a custom look and feel for the portal.

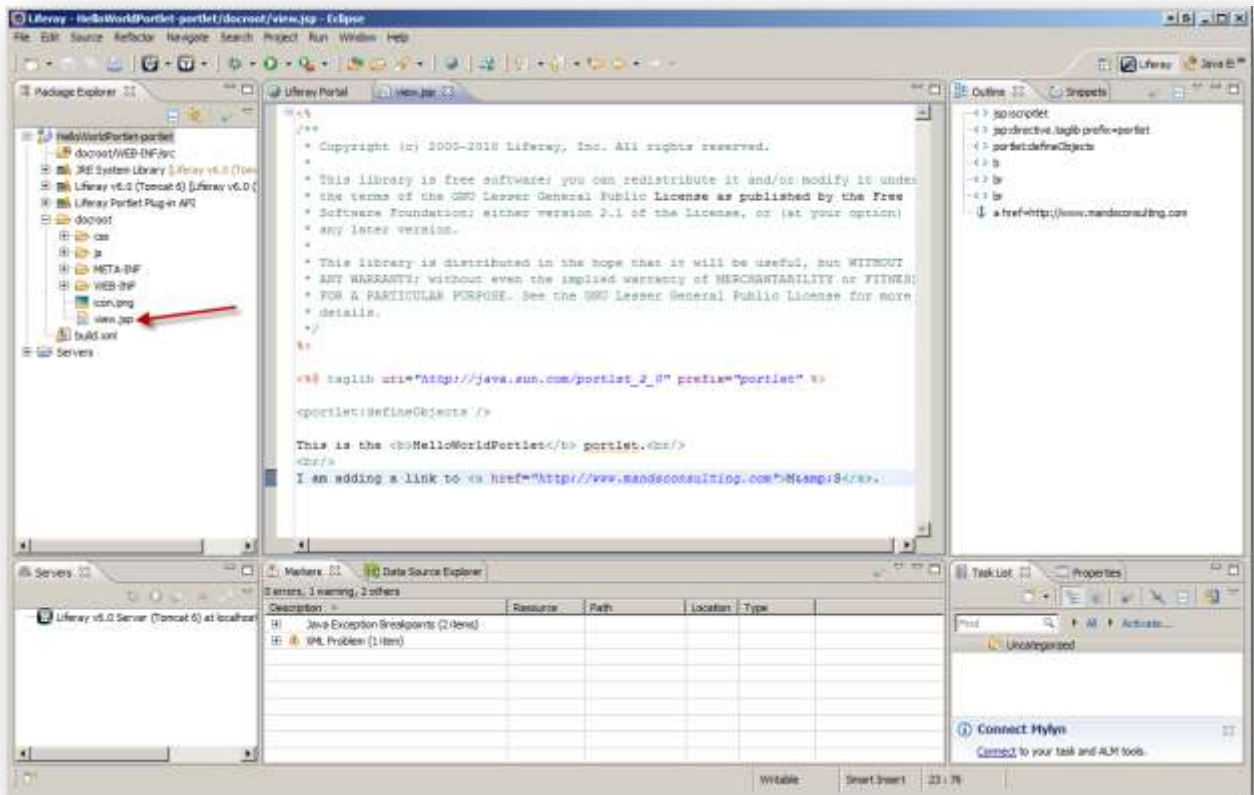
Create custom portlet class

[Import existing Liferay project...](#)

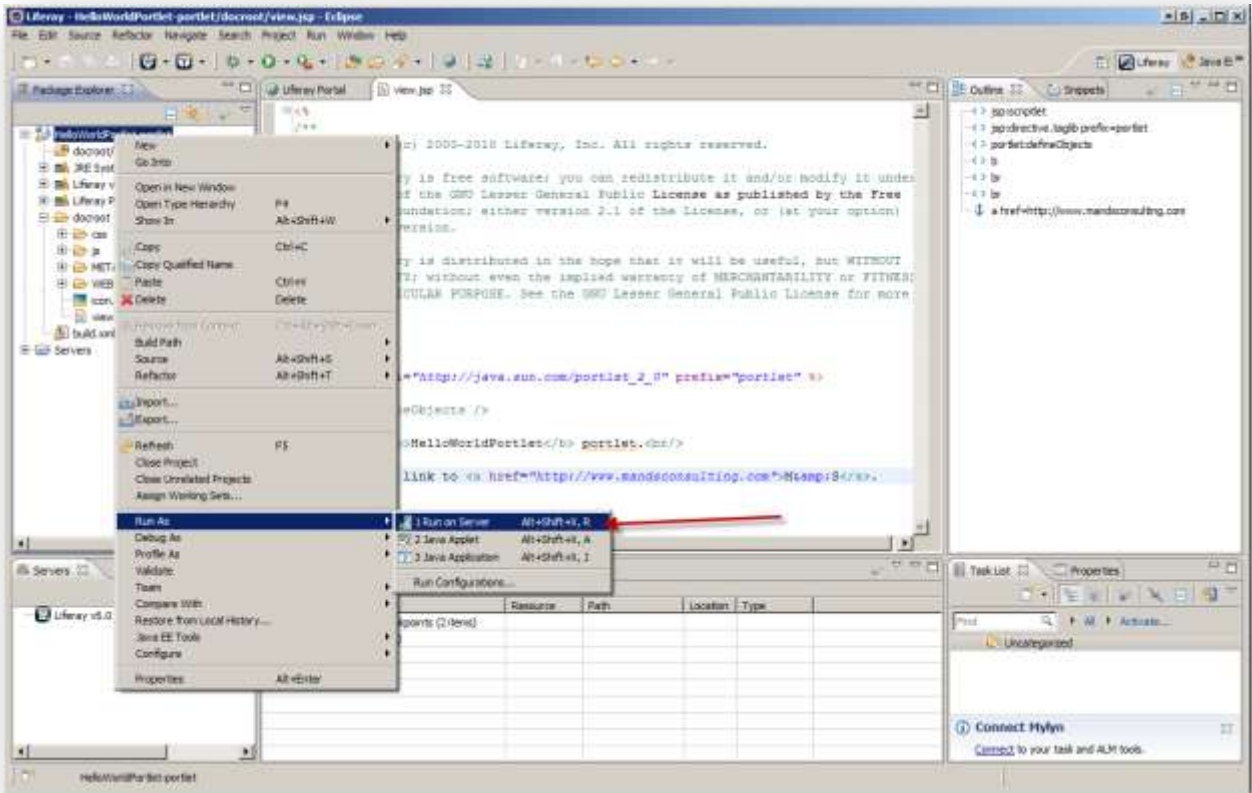
[?](#)



The screenshot shows the 'New Liferay Plug-in Project' wizard. The main window has a title bar 'New Liferay Plug-in Project' and a subtitle 'Liferay Plug-in Project'. Below the subtitle is the instruction 'Create a new plug-in project for Liferay Portal.' and a plug icon. The 'Project name' field contains 'HelloWorldPortlet-portlet' and the 'Display name' field contains 'HelloWorldPortlet'. The 'Configuration' section shows 'Liferay Plug-ins SDK' set to 'liferay-plugins-sdk-6.0.2' with a 'Configure' link. A dialog box titled 'Open Associated Perspective?' is overlaid on the wizard. It contains a question mark icon and the text: 'This kind of project is associated with the Liferay perspective. Do you want to open this perspective now?'. Below the text is a checkbox labeled 'Remember my decision' which is unchecked. At the bottom of the dialog are 'Yes' and 'No' buttons. A red arrow points to the 'Yes' button. The wizard's bottom bar contains a help icon, '< Back', 'Next >', 'Finish', and 'Cancel' buttons. A link 'Import existing Liferay project...' is visible at the bottom right of the wizard.

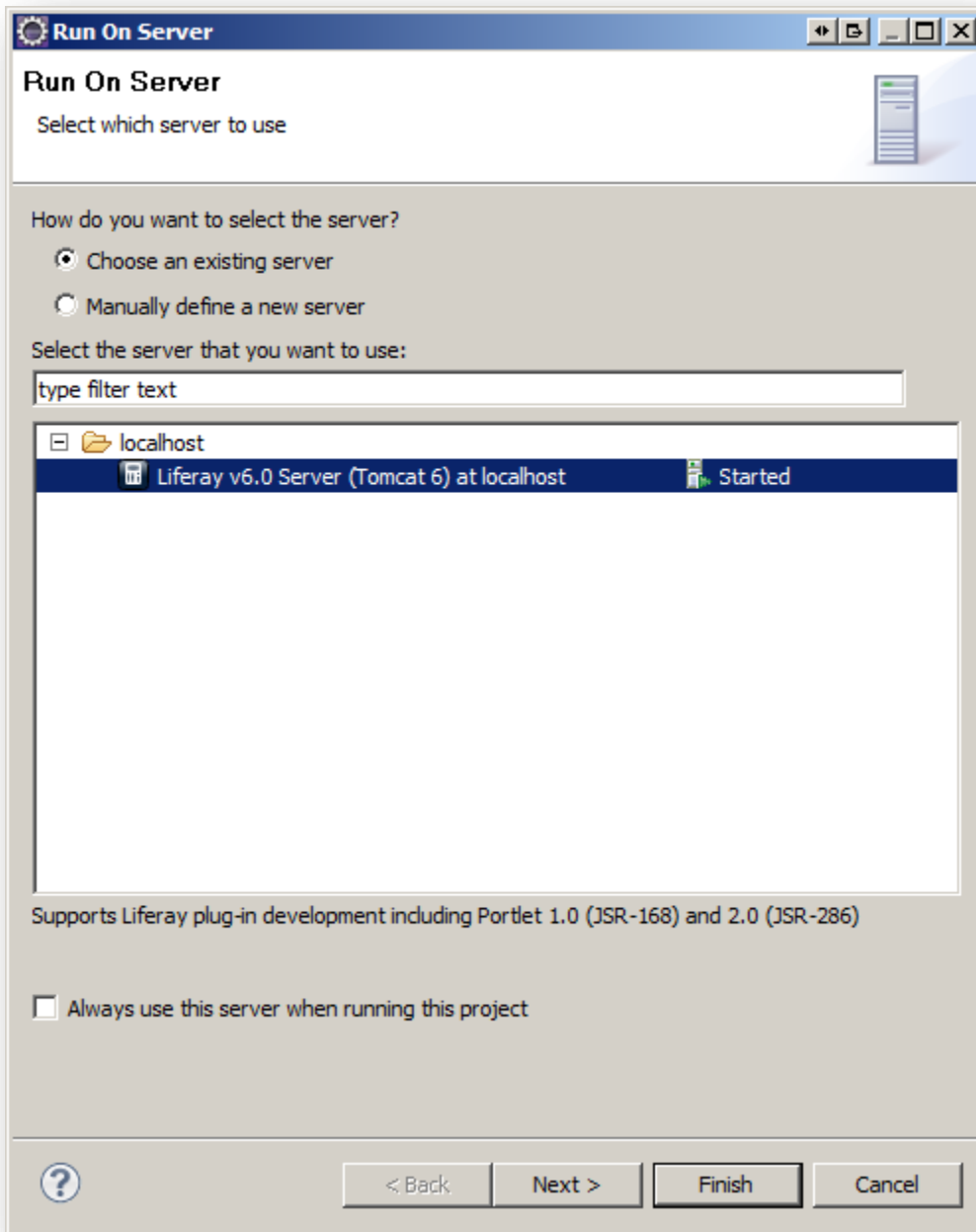


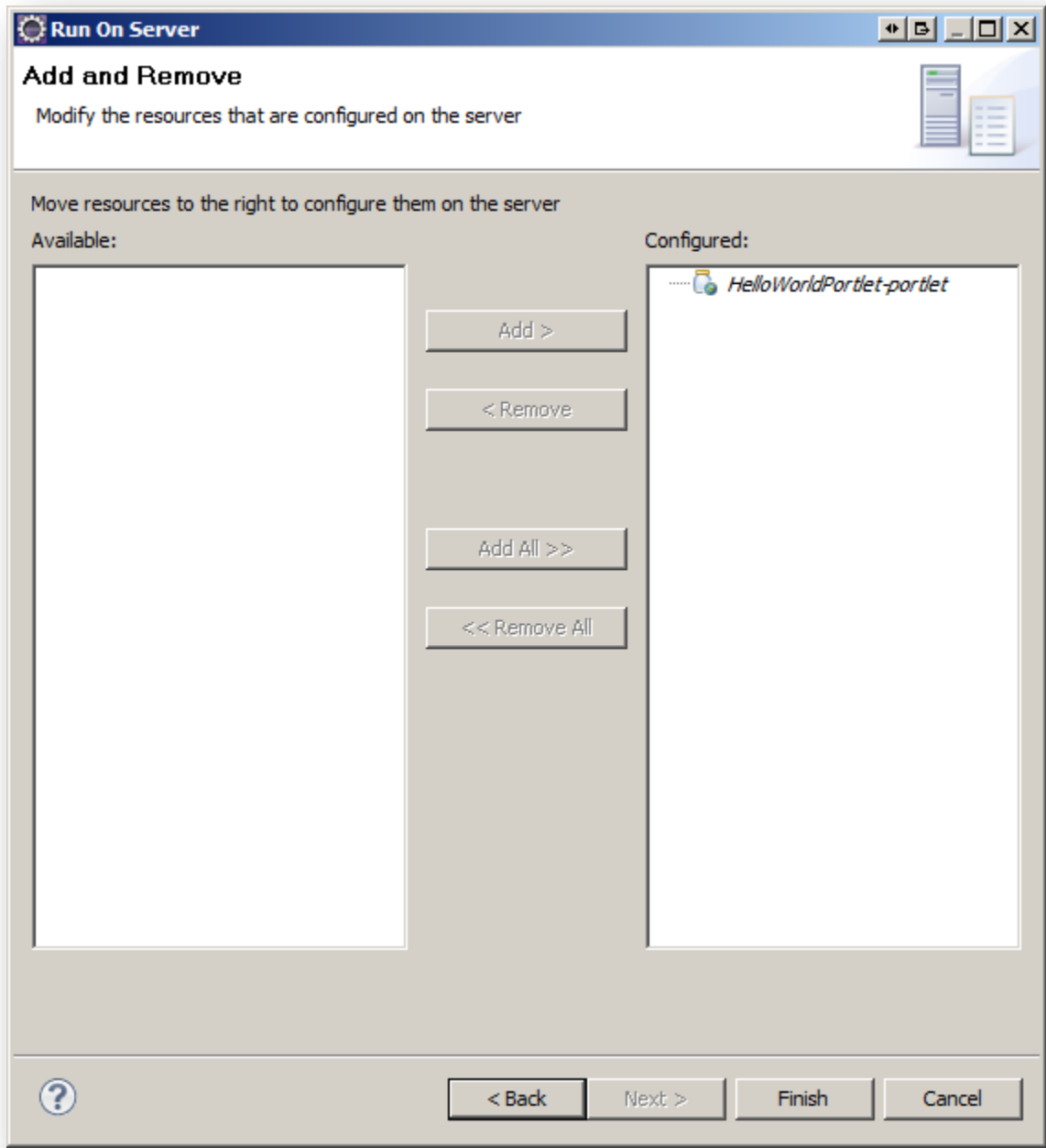
Navigate to view.jsp and feel free to modify the contents.

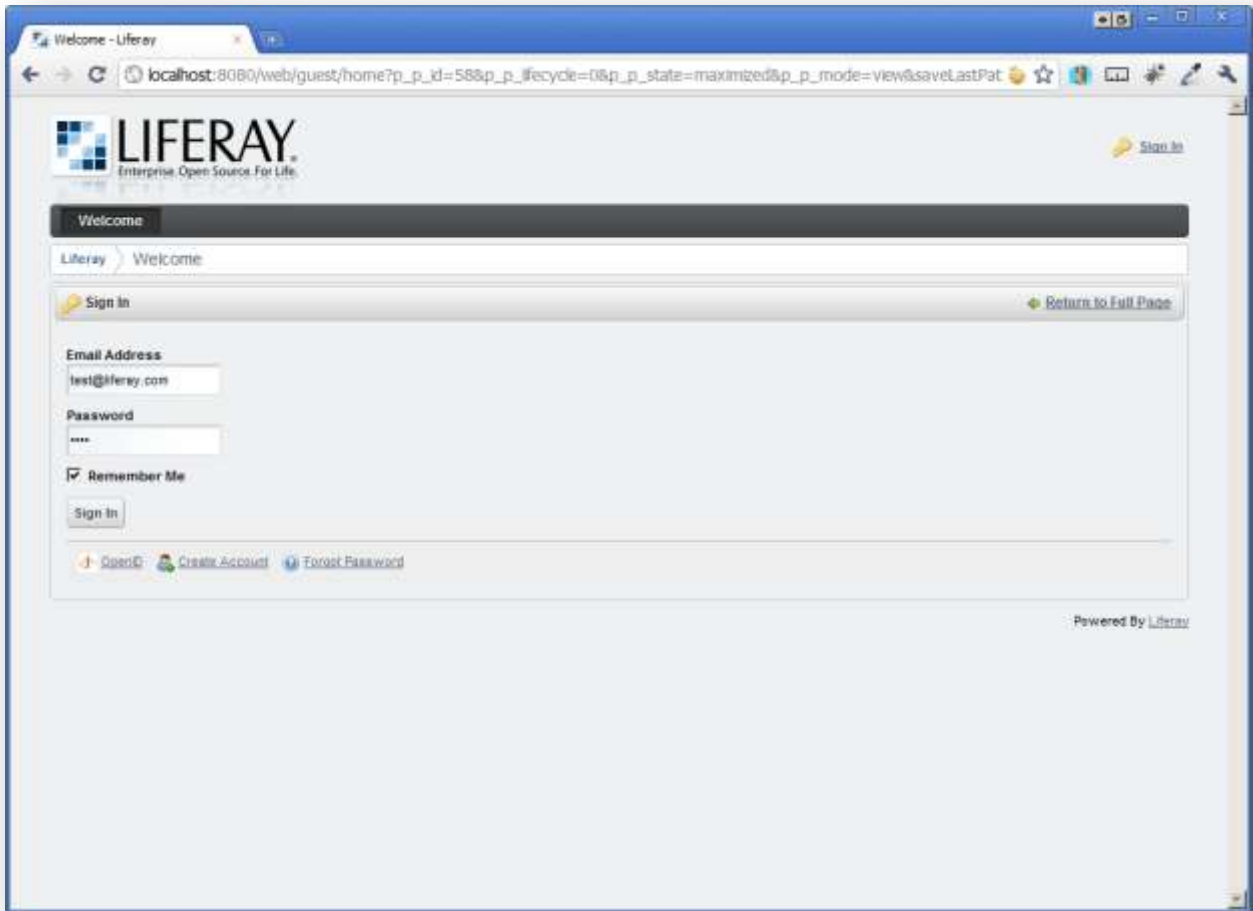


Deploy to our previously configured Liferay Portal environment.



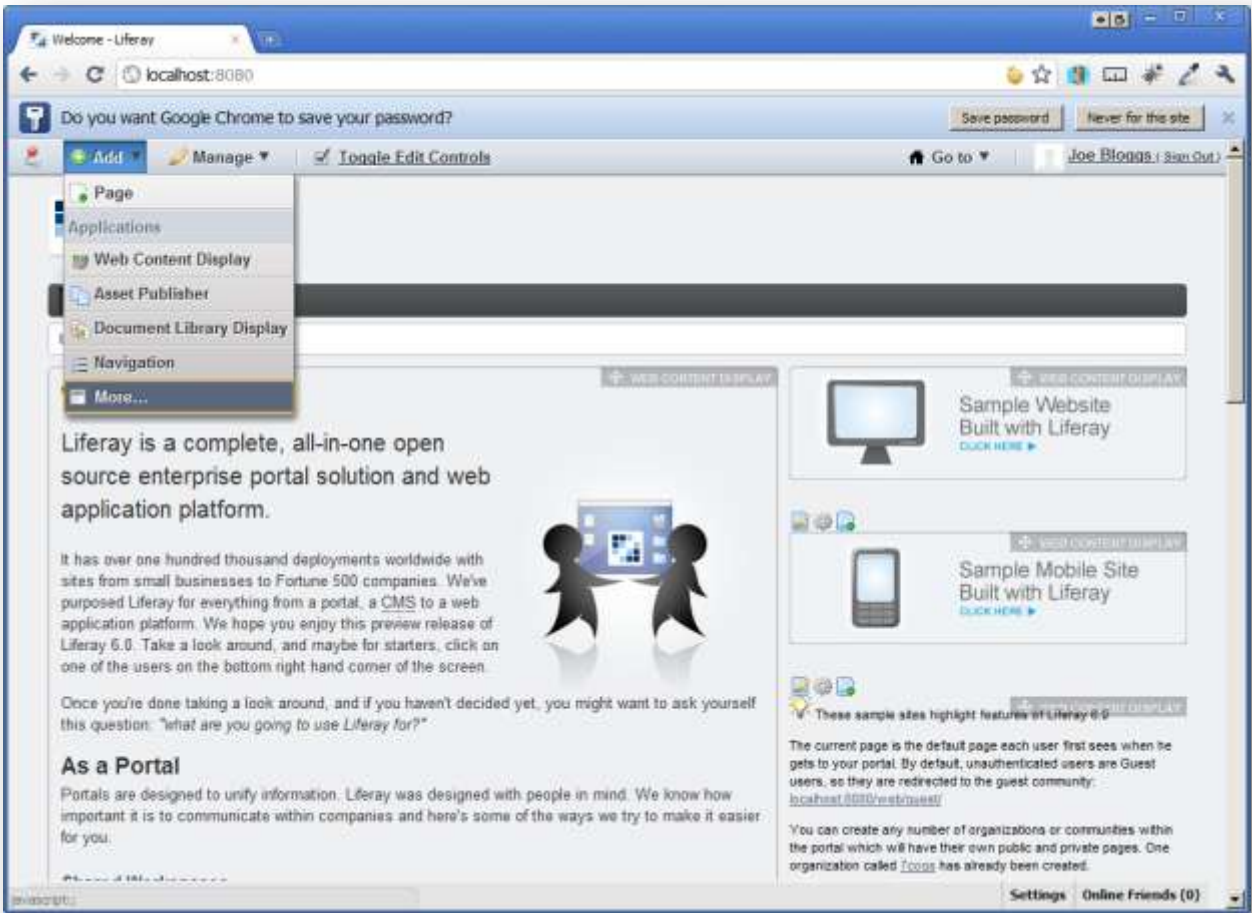


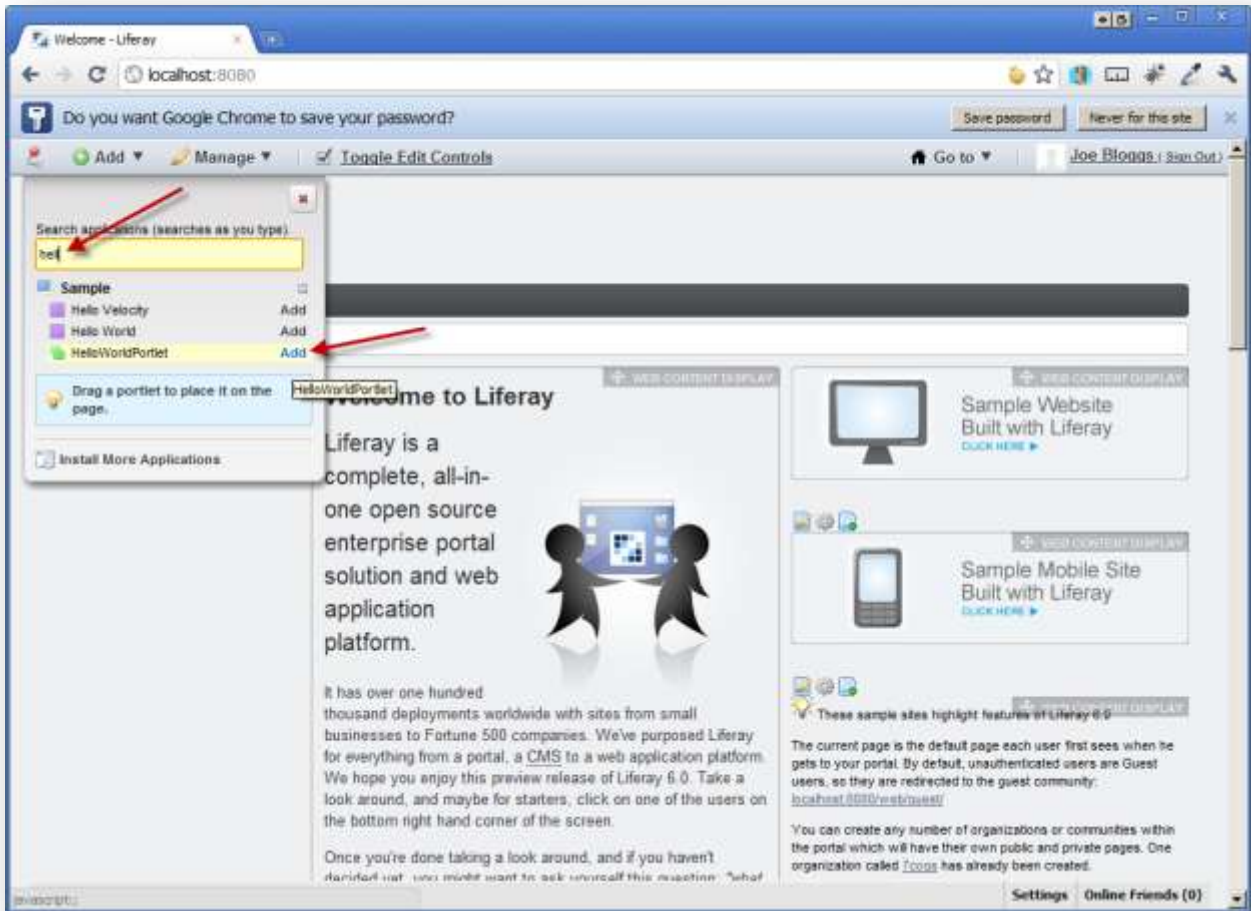




Default credentials are:

- Username: test@liferay.com
- Password: test





You can click “Add” or drag-and-drop the HelloWorldPortlet we created onto the page.

