

JECLIPSE User Guide

JECLIPSE COMPONENT

1. Feature : org.joomla.eclipse.jeclipse.feature_1.0.0.jar
plug-in : org.joomla.eclipse.joomlaextension_1.0.0.jar
This component depend on phpeclipse 1.1.8 or greater (<http://www.phpeclipse.net>). Note: If you want to use phpeclipse nightly build please use the latest build. Use this component if you want to develop Joomla! Component and plug-in. Also you have to install Apache, Mysql, and Php to test module or component that you develop.
2. Feature: org.joomlatools.eclipse.wysiwygeditor.feature_1.0.0.jar
plug-in: org.joomlatools.eclipse.mozillawysiwyg_1.0.0.jar and org.joomla.eclipse.wysiwygeditor_1.0.0.jar
Depend on
 - org.mozilla.xpcom 1.8.1.3
(<http://releases.mozilla.org/pub/mozilla.org/xulrunner/releases/1.8.1.3/contrib/eclipse/> for plugin and <http://ftp.mozilla.org/pub/mozilla.org/xulrunner/eclipse/features/> for feature)
 - org.eclipse.swt 3.3 (<http://www.eclipse.org/swt/>)
 - xulrunner plugin 1.8.1.3
(<http://releases.mozilla.org/pub/mozilla.org/xulrunner/releases/1.8.1.3/contrib/eclipse/> for plugin and <http://ftp.mozilla.org/pub/mozilla.org/xulrunner/eclipse/features/> for feature)
 - Xulrunner(<http://releases.mozilla.org/pub/mozilla.org/xulrunner/releases/1.8.1.3/contrib/>). For detail installation instruction for xulrunner read (http://developer.mozilla.org/en/docs/XULRunner_1.8.0.4_Release_Notes) and (<http://www.eclipse.org/swt/faq.php#browserlinux>). As you see from the name this component provide html wysiwyg editor.

INSTALLATION

You do not have to use all of JEclipse feature. For example if you only want to

develop Joomla Module. You can just installing `org.joomla.eclipse.jeclipse.feature_1.0.0.jar` and `org.joomla.eclipse.joomlaextension_1.0.0.jar` to your Eclipse platform.

General Step

- J!Eclipse is plug-in on Eclipse platform, so to use it you have to install Eclipse first, it can be J!Code (<http://joomlacode.org/gf/project/jcode/frs/>) or Eclipse (<http://www.eclipse.org/downloads/>)
- Manual Download
 1. Download J!Eclipse from
 2. Extract archive
 3. Copy content of features folder to features folder of your Eclipse platform (J!Code or Eclipse).
 4. Copy content of plug-ins folder to plug-ins folder of your Eclipse platform (J!Code or Eclipse).
 5. Run Eclipse or J!Code with option “-clean”.
“eclipse -clean”
- Update Site
TODO

Example Installation on J!Code.

To install J!Eclipse on J!Code first follow instruction from General Step to get J!Eclipse. Since J!Code built in with `phpeclipse` you do not have to install `phpeclipse`. So just with J!Code and J!Eclipse you ready to develop Joomla! Module or Component. To enable wysiwyg editor you have to download and install the dependency from URL i mention above.

Installation On Eclipse 3.2

Generally, Installation process on Eclipse 3.2 same with J!Code. Except you must download `phpeclipse`. Note: You will get error if you install `phpeclipse 1.1.8` (latest stable release) on this platform, “Plug-in “org.eclipse.pde.runtime” version “3.1.1” referenced by this feature is missing.”. But you can skip that, i have tested

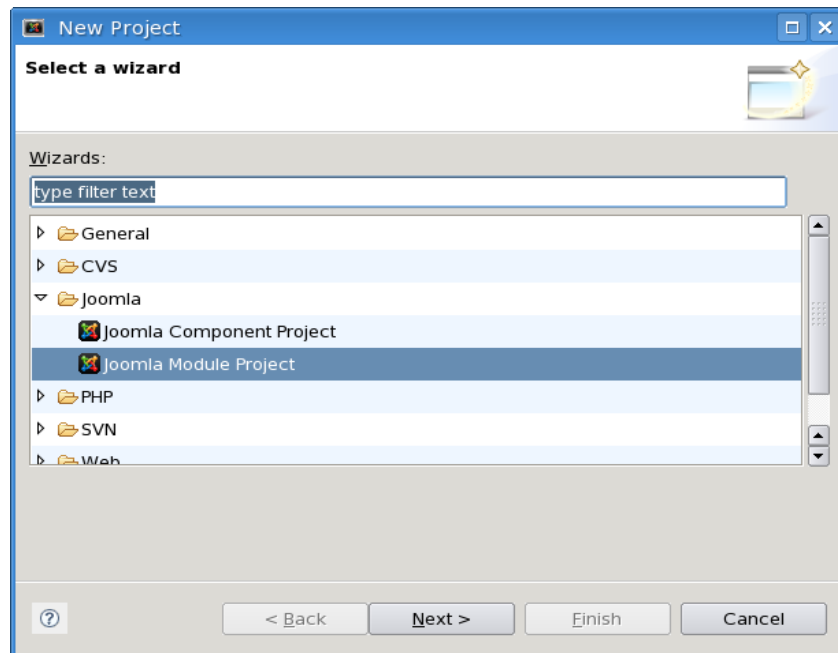
using Jeclipse on this platform without install it.

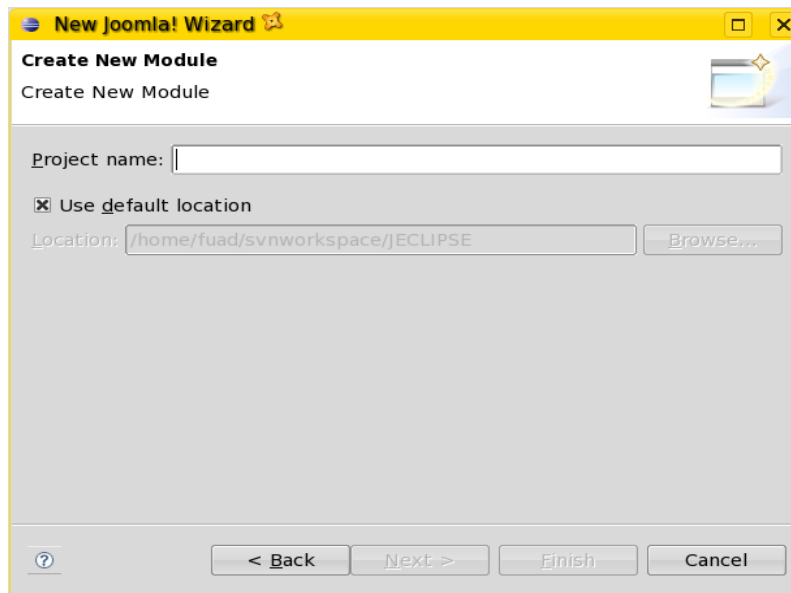
Instalation On Eclipse 3.3

Same with Eclipse 3.2 but you don't have to install swt plug-in 3.3. Eclipse 3.3 built in with it.

MODULE DEVELOPMENT GUIDE

First of all create new module project by select New>Project>Joomla>Joomla Module Project, fill project name with module name you want to build. For example if you want your module has name mod_birthday. Fill text field with “birthday”.





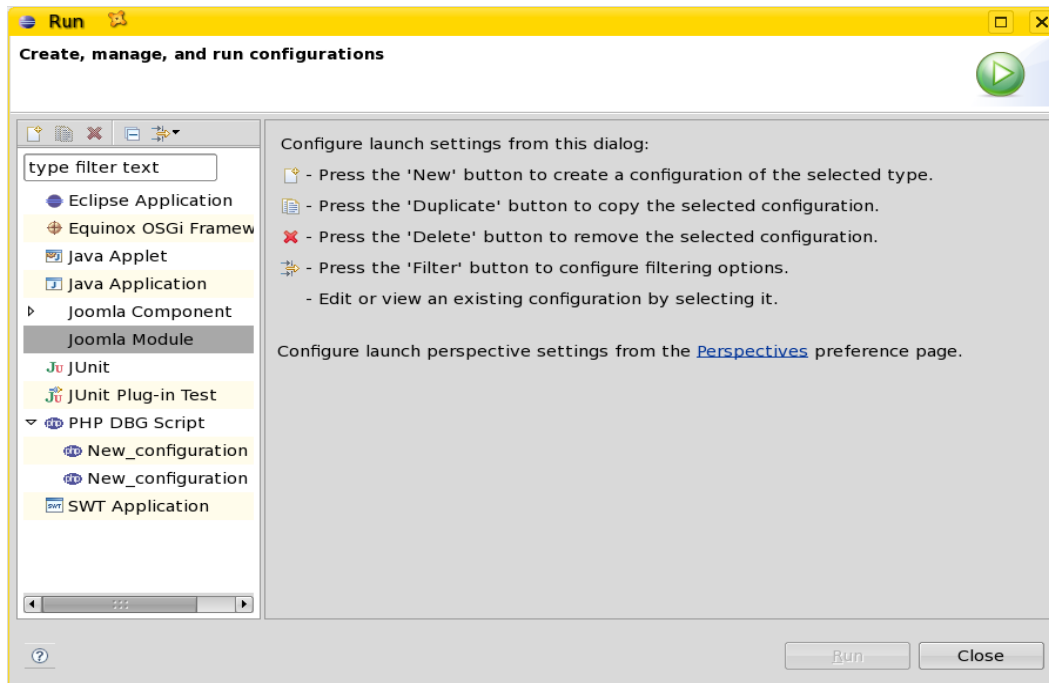
Wizard will generate module with structure like this:

```
<project name>
  -mod_<project name>
    - tpl
      -default.php
      -index.html
    - helper.php
    - index.html
    - mod_<project name>.php
    - mod_<project name>.xml
```

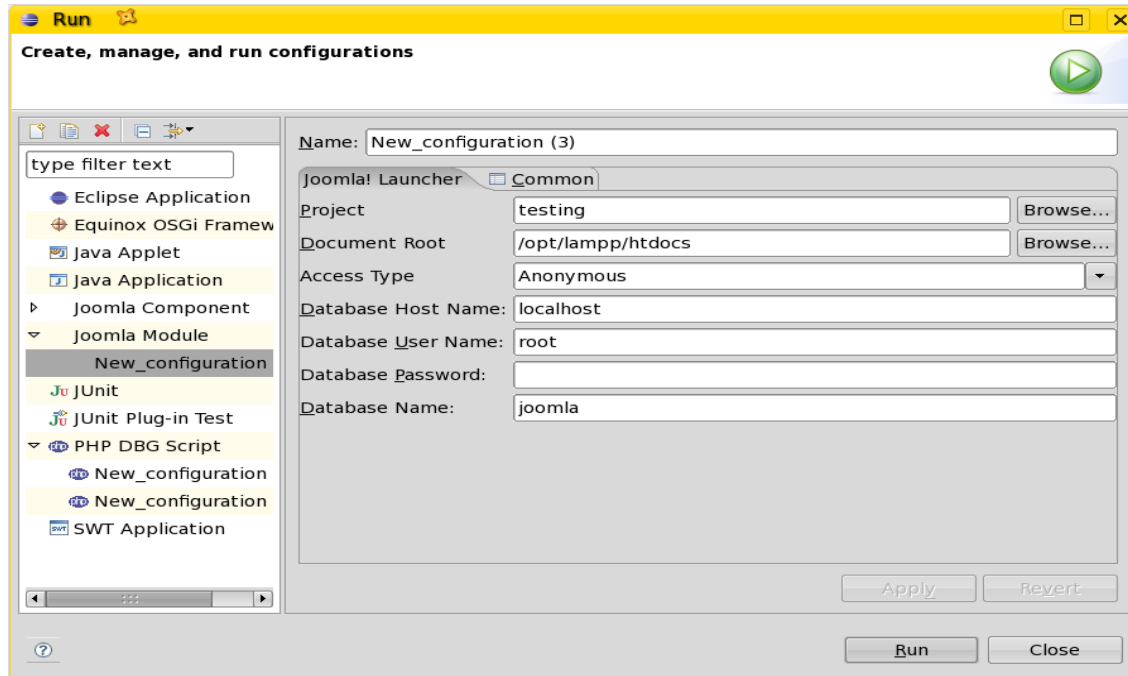
Beside include all phtclipse feature like outline and syntax highlighting. JEclipse also extend phtclipse's code completion. JEclipse can assist developer with class, method, property, constant provided by Joomla! (Joomla! API), and Joomla specific keyword like "jimport".

Note: If joomla code assist is not active try clean and build your project.

Module can be tested by Select Run>Run



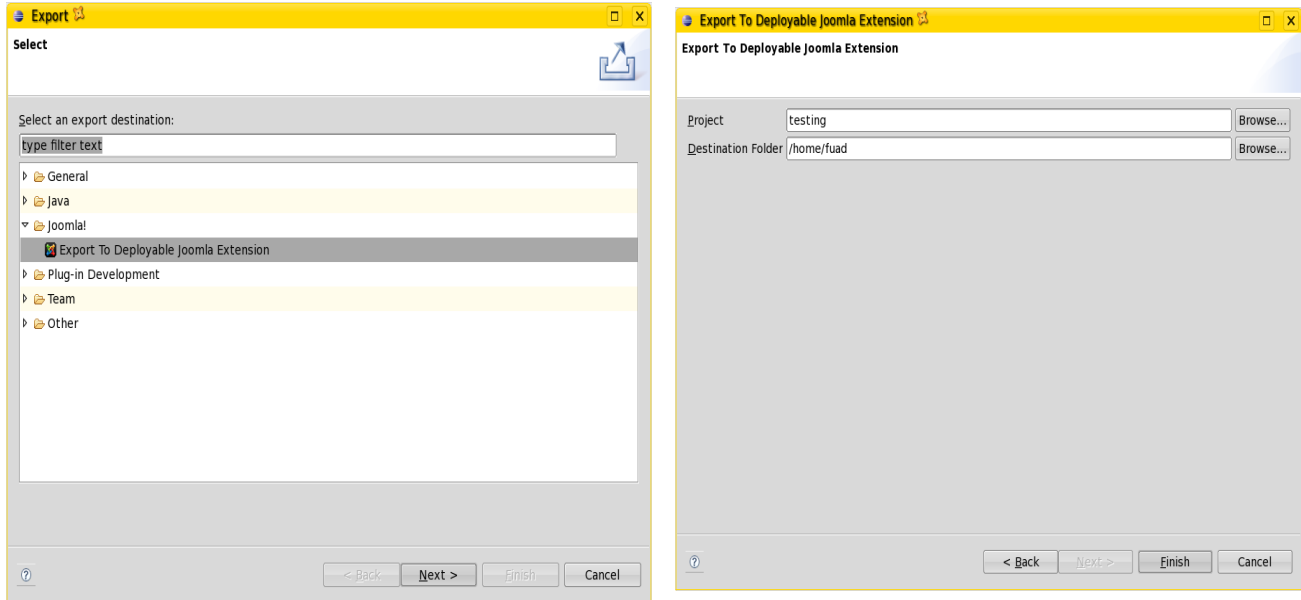
To create new run configuration double click Joomla Module.



Fill it with appropriate configuration on your computer, make sure Document Root can be written by anonymous user (rwxrwxrwx*). Module can be run in two mode, site module and administrator module. Choose anonymous in the "Access

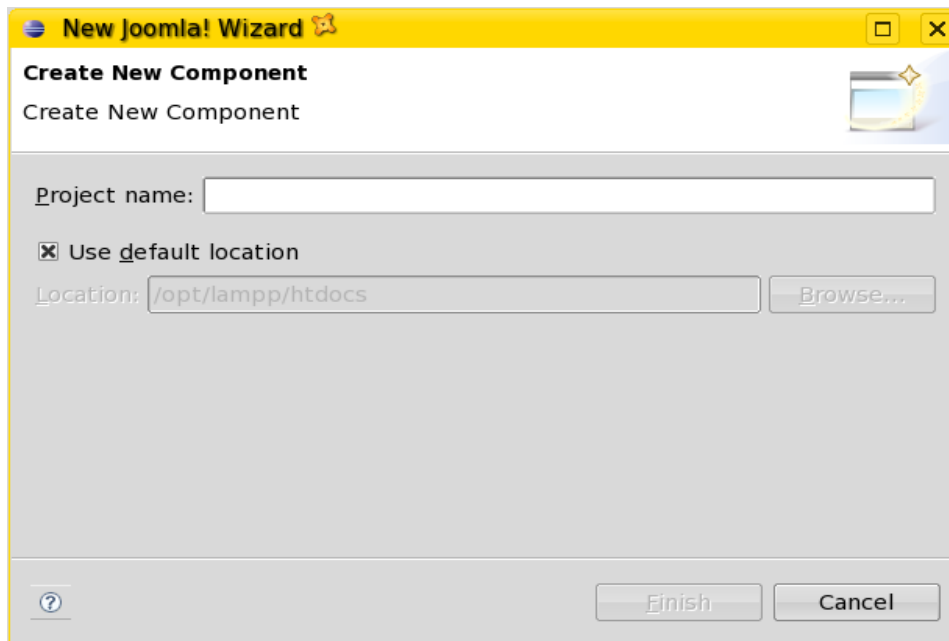
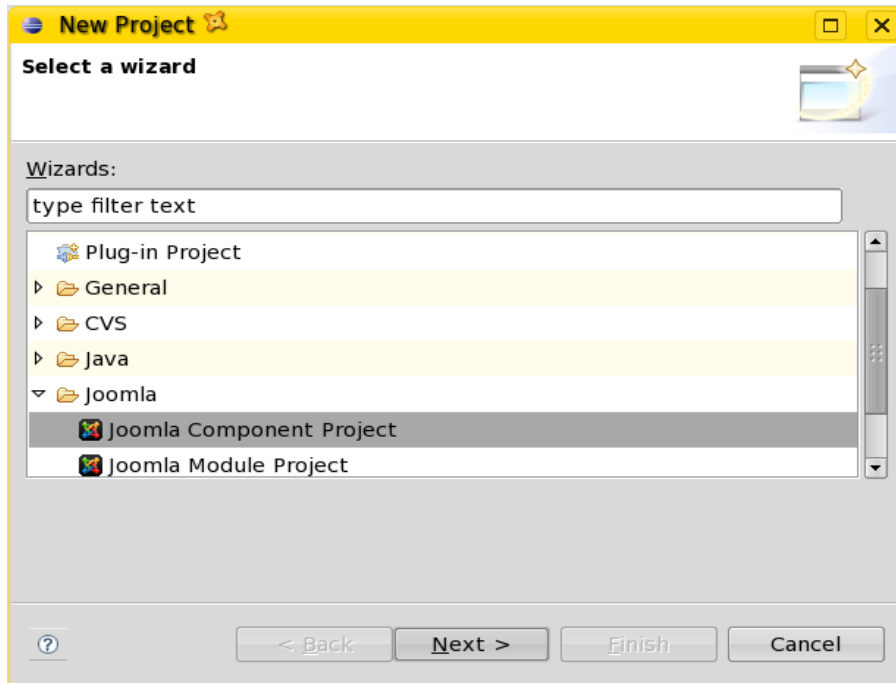
Type” field if you want site module mode or administrator if want administrator module site. The difference between this mode is site module will be displayed in left side of the main Joomla! site and administrator module will be displayed in cpanel. For default user name and password for Administrator account is admin and admin.

If you want to deploy your module to production site. Choose File>Export. Select Joomla>Export To Deployable Joomla Extension and click next.



COMPONENT DEVELOPMENT GUIDE

To create Joomla! component. Choose New>Project>Joomla>Joomla Component Project, fill project name with component name you want to build. For example if you want your module component has name com_birthday. Fill text field with “birthday”.



Wizard will generate component with project structure like this:

<project name>

- administrator
 - admin.<project name>.php
 - index.html
- installer
 - installer.sql

- uninstaller.sql
- site
 - index.html
 - <project name.php>
- <project name>.xml

Folder administrator will contain all about administration section of component and site folder for site section, Place your code at appropriate folder. install.sql and uninstaller.sql is file where developer write sql which required to install and un install component.

Since Joomla! can be built with mvc style, this plug-in also provide way to do it. To create mvc file right click administrator or site folder depend on which one you want. Select New Joomla! Model to create model, New Joomla! Controller to create Controller, and New Joomla! View to create View on selected section. To overcome too many files developer has to write in component descriptor caused by mvc use. JEEclipse has feature to auto-generate component descriptor based on files in site and administrator folder. To do it right click component descriptor file (*.xml) select Joomla!>Regenerate Component Descriptor.

WYSIWYG editor

JEEclipse come with html wysiwyg editor. However this editor still doesn't have support editing php tag. You can use it to design html page before add php logic. Warning, after add some file with php logic do not open it with wysiwyg editor again. it can make your php code lost.