DrupalCamp
ESSEN 2012

Drupal development with the Eclipse IDE

Lowell Montgomery, Cocomore AG / Freelancer

cocomore
drupal.cocomore.com/blog

About myself (in short)

- Lowell Montgomery (LoMo on Drupal.org)
- Live in Frankfurt, Germany
  (Born in UK and “from” northern California)
- First Drupal website: http://FrankfurtNavigator.com
  (site-builder / themer / author)
- Cocomore: 1) Internee; 2) developer trainee;
  now freelancer
- Author / Content creator: Cocomore Drupal Blog
  http://drupal.cocomore.com/blog

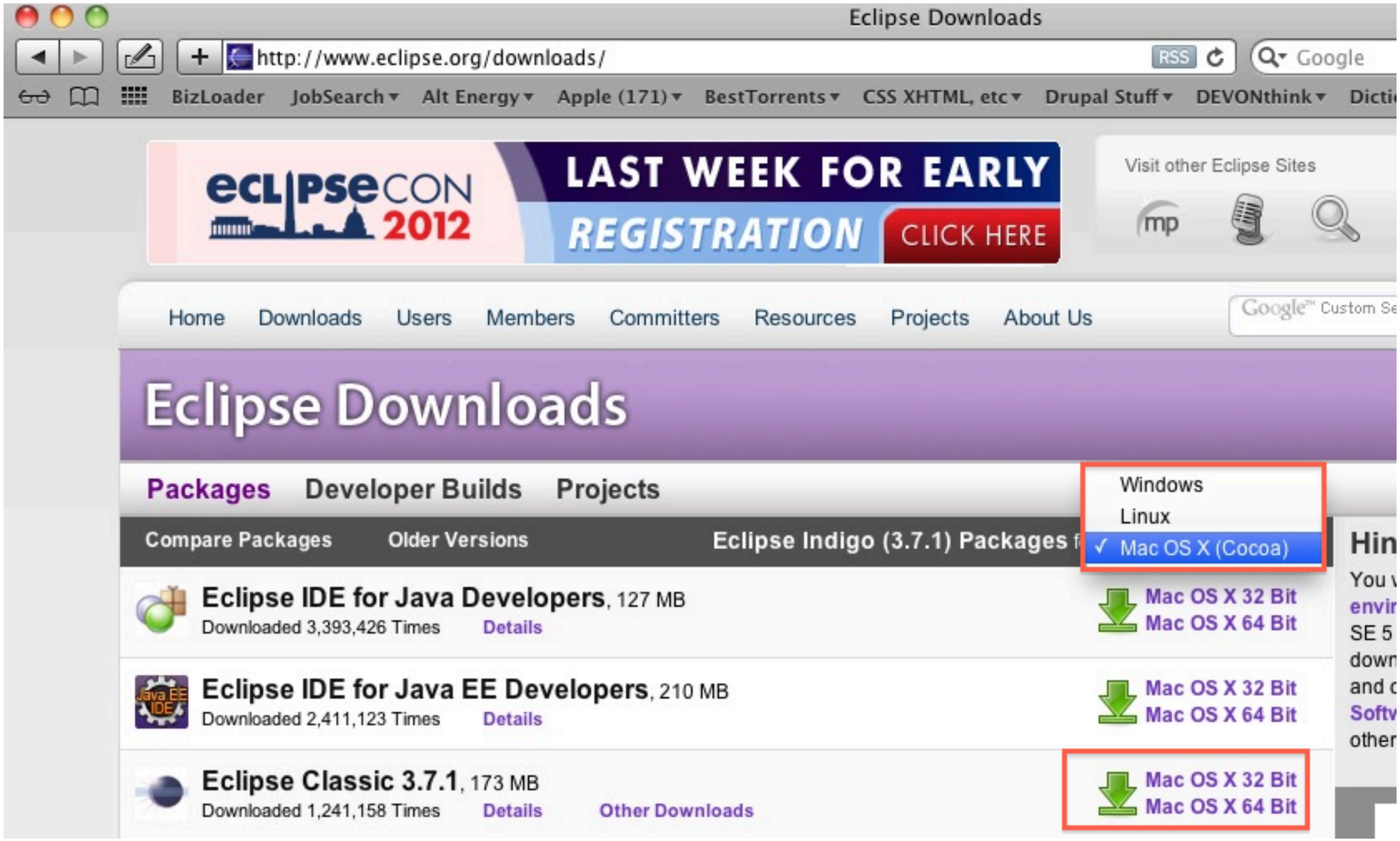
But what about Eclipse???

Benefits of using Eclipse

- Free / Open-source
- Multi-Platform (Java-based)
- Powerful debugging features
- Syntax highlighting and error flagging
- Lots of plugins to extend features
- Drupal templates available
- …

Drawbacks of using Eclipse

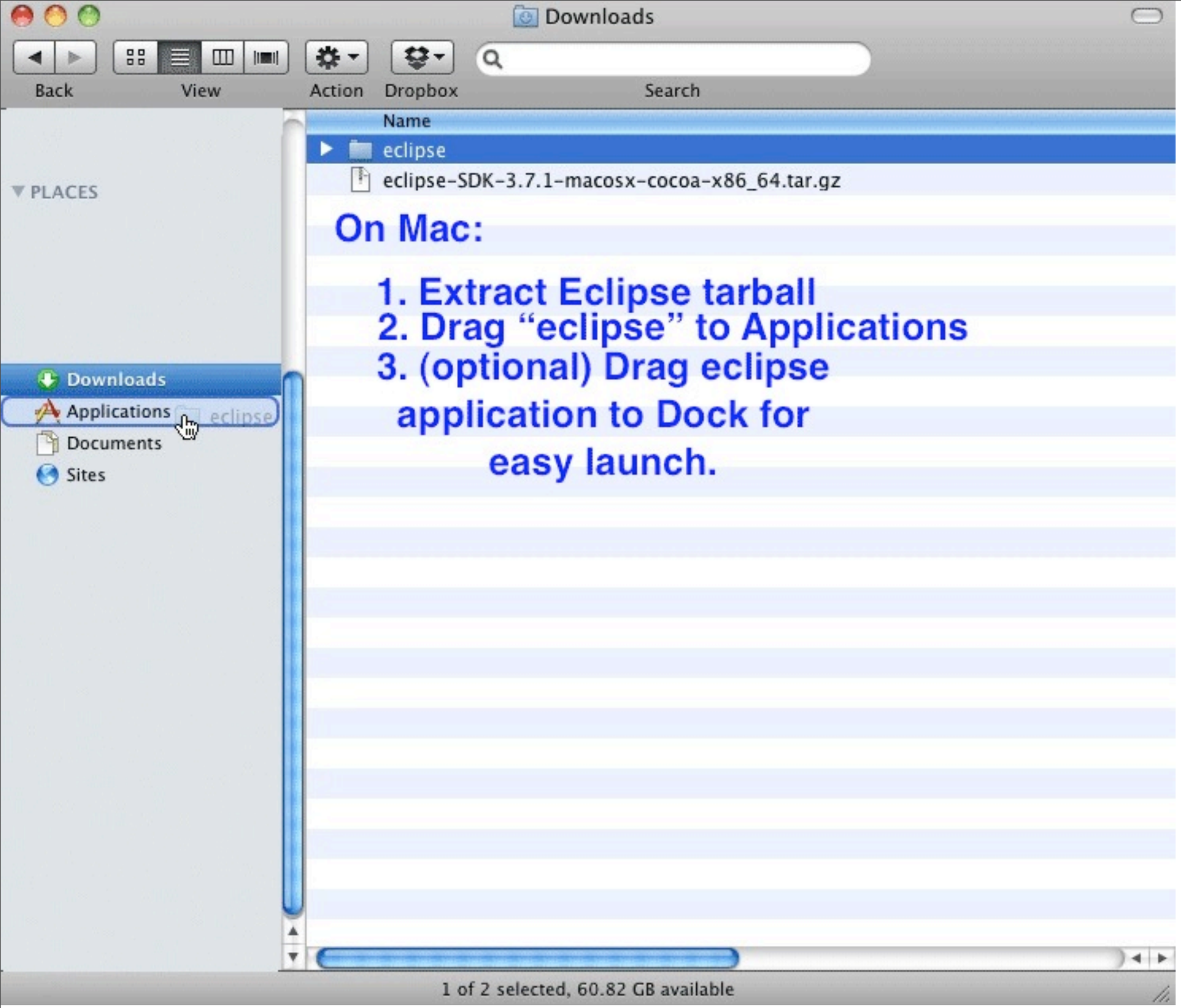
- Resource hog
- Java-based, not native app
- Some pricey IDEs may be better, especially if you already use them
- …



http://www.eclipse.org/downloads/

Get latest version of Eclipse Classic for your OS

Note: PDT bundles are not up-to-date



Installing on Linux or Windows should be easy, too.

Note: You *do* need a JVM (Java Virtual Machine)

Eclipse/Installation

http://wiki.eclipse.org/Eclipse/Installation

< Eclipse

Installing Eclipse is relatively easy, but does involve a few steps and software from at least two different sources. **Eclipse is a Java-based application** and, as such, ***requires a Java runtime environment (JRE)*** in order to run.

Contents [hide]

1 Install a JVM
    1.1 JRE/JDK Sources
2 Eclipse 3.7.1 (Indigo)
3 Extending Eclipse
4 More information

Install a JVM [edit]

Regardless of your operating system, you will need to install some Java virtual machine (JVM). You may either install a Java Runtime Environment (JRE), or a Java Development Kit (JDK), depending on what you want to do with Eclipse. If you intend to use Eclipse for Java development, then you should install a JDK (the JDK includes--among other useful things--the source code for the standard Java libraries). If you aren't planning to use Eclipse for Java development and want to save some disk space, install a JRE.

- If you're using Windows, you may already have a JRE installed, but upgrading won't hurt.
- If using Linux, read this
    - GCJ will **NOT** work.
    - Also see: Installing JRE 1.6.0 (Update x) as the Default Runtime in Linux.

JRE/JDK Sources [edit]

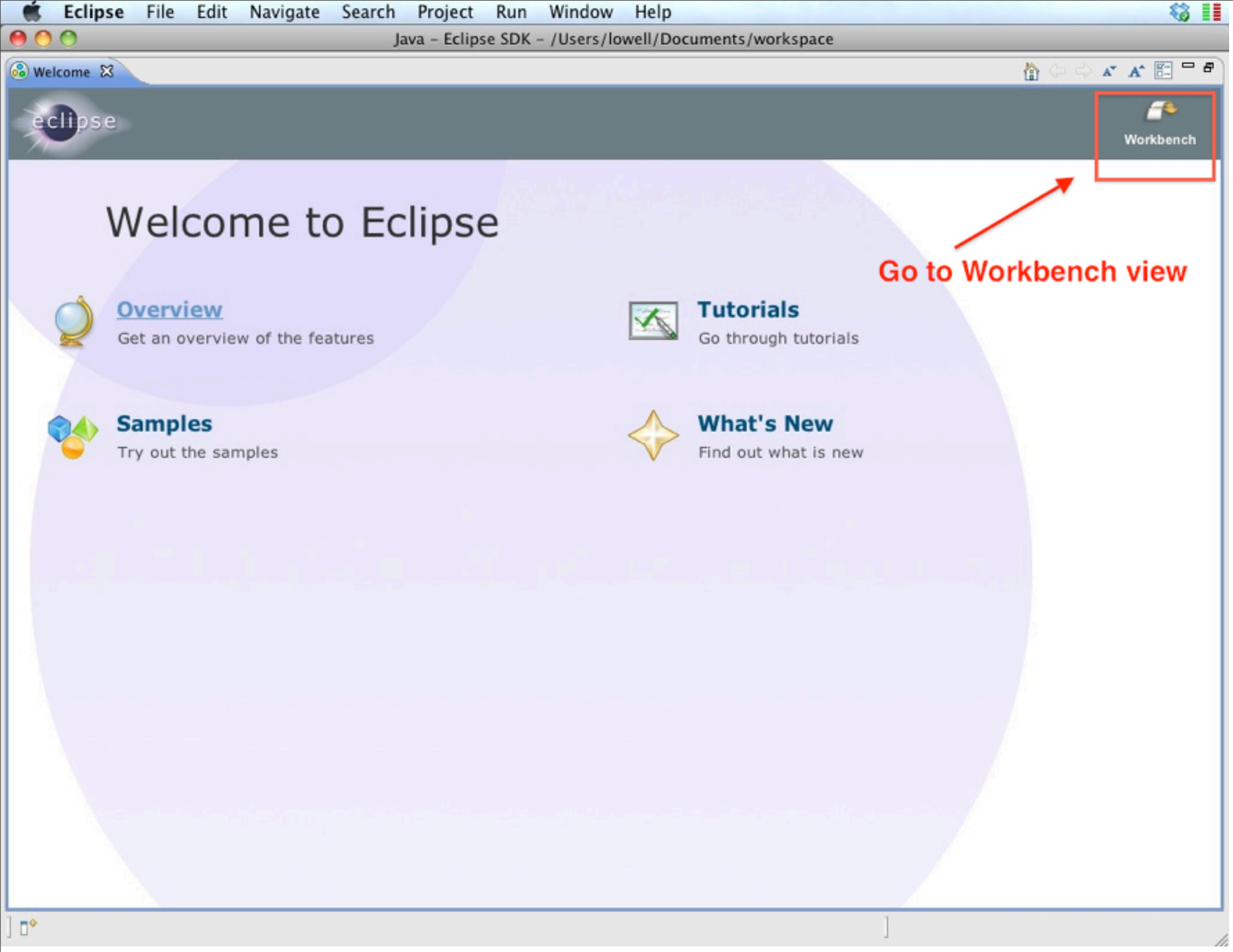
There are several sources for a JRE/JDK. Here are some of the more common/popular ones (listed alphabetically):

- IBM JDK
- OpenJDK
- Oracle JDK

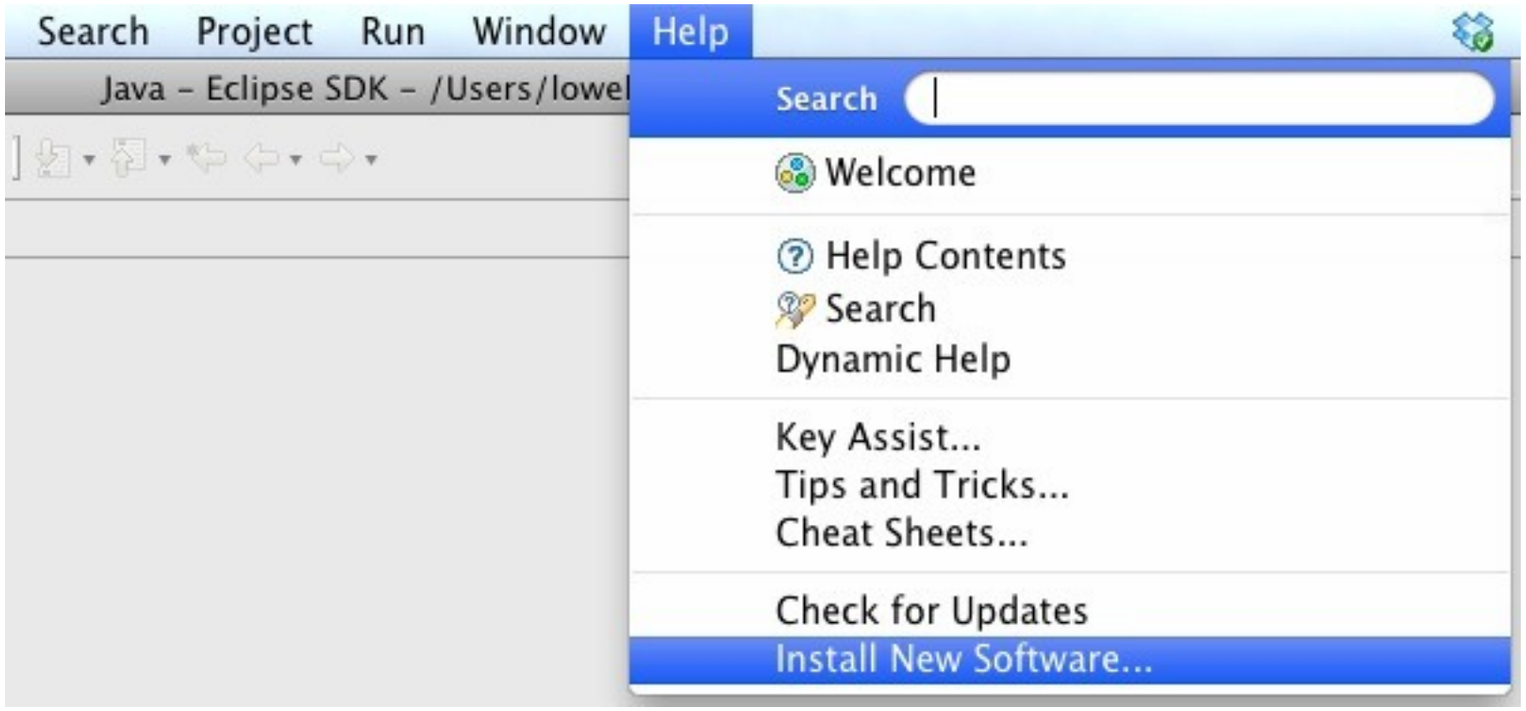
Modern OS X has a suitable JRE by default.

Linux users may want Oracle JDK (latest Aptana Studio)

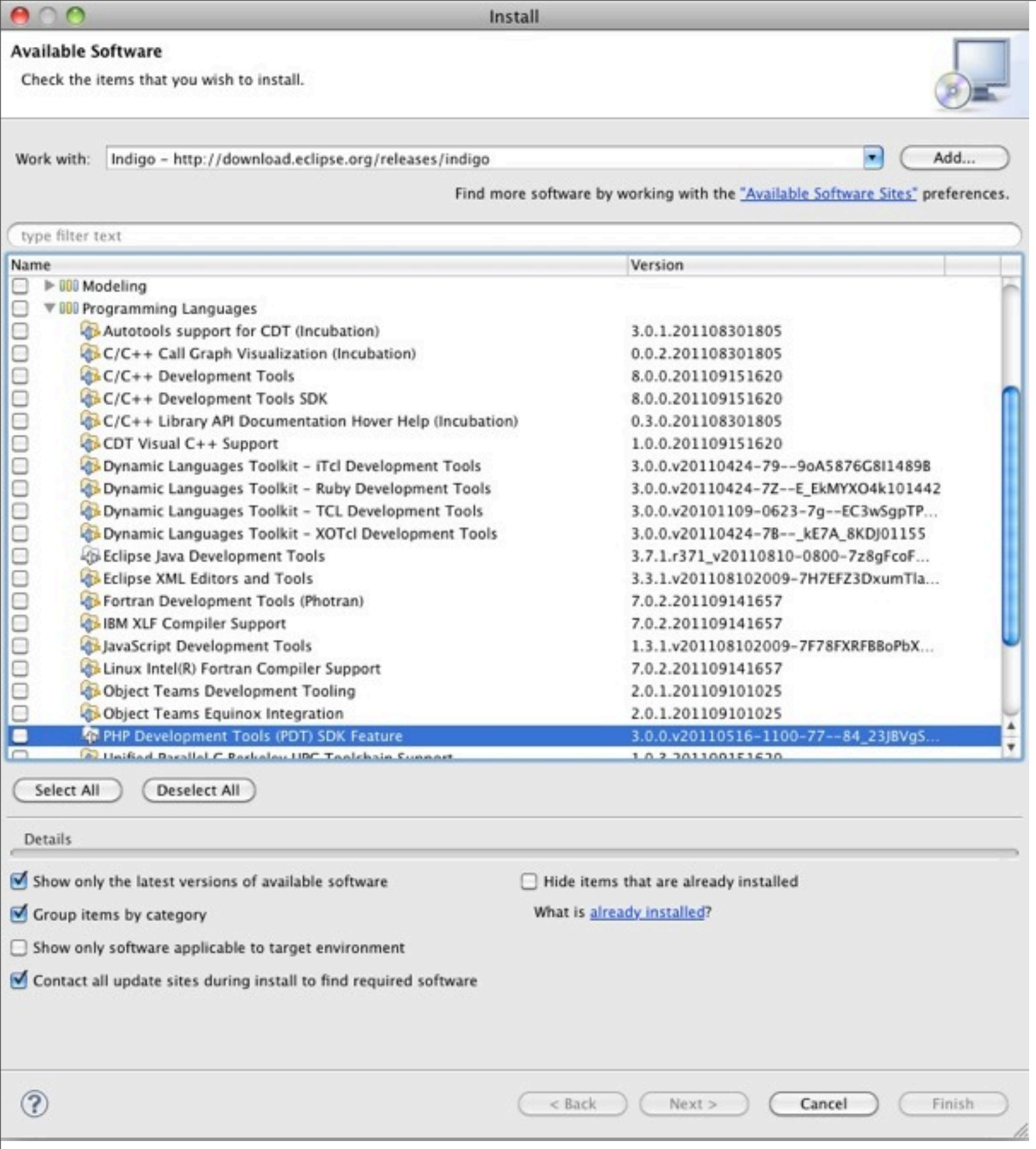
Select a suitable “workspace” for Eclipse to store your project(s). **Note:** You *can* have multiple workspaces.


Eclipse File Edit Navigate Search Project Run Window Help
Java – Eclipse SDK – /Users/lowell/Documents/workspace
Welcome
eclipse
Workbench
Welcome to Eclipse
Overview
Get an overview of the features
Tutorials
Go through tutorials
Samples
Try out the samples
What's New
Find out what is new
Go to Workbench view

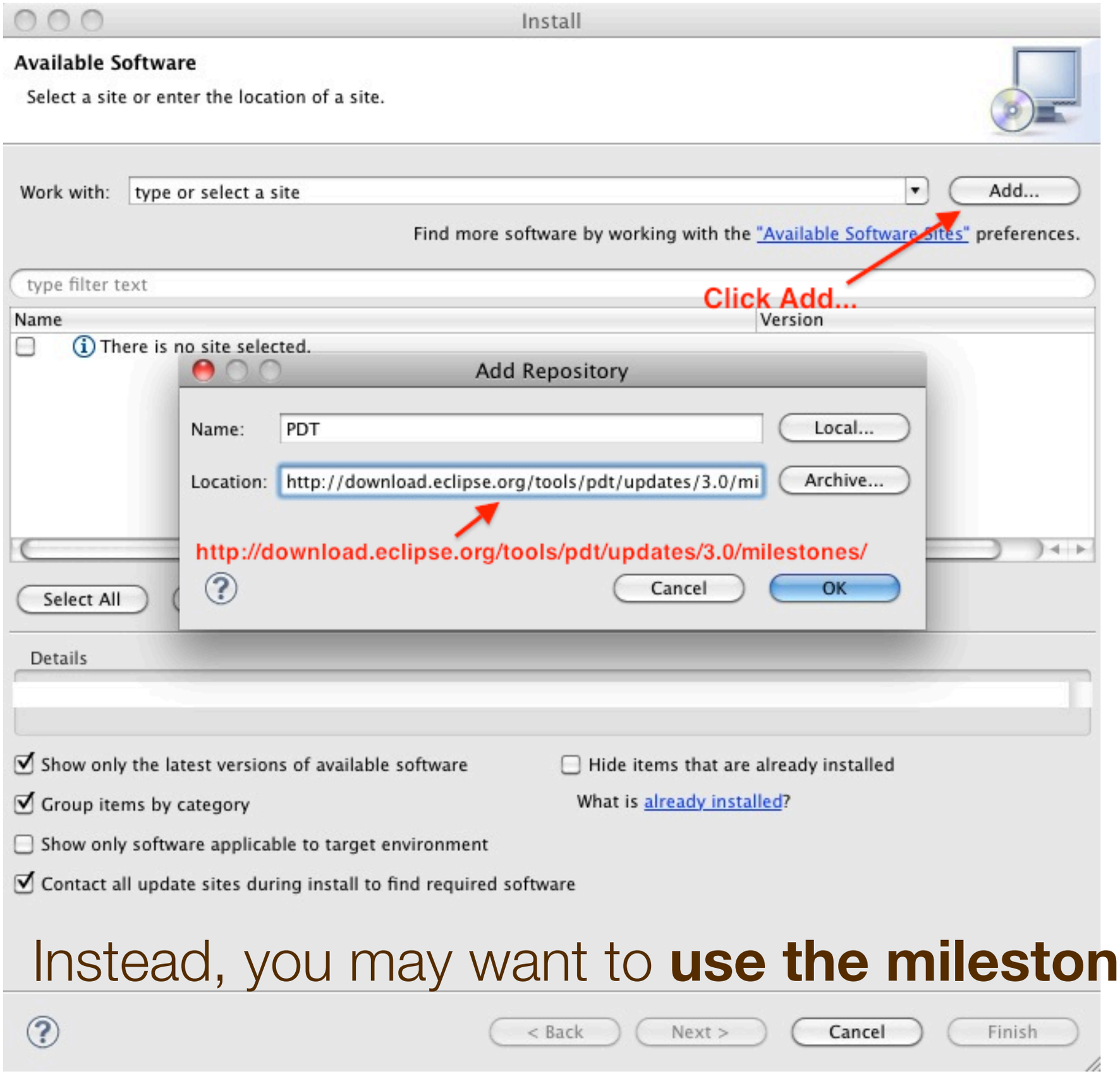
Install the PDT (**P**HP **D**eveloper **T**oolkit)



Help > Install New Software…



Note: Default PDT is **Not** up-to-date



Instead, you may want to **use the milestones repository…**

http://download.eclipse.org/tools/pdt/updates/3.0/milestones/

Work with: PDT - http://download.eclipse.org/tools/pdt/updates/3.0/milestones/ Add...

Find more software by working with the "Available Software Sites" preferences.

type filter text

Name	Version
pdt 3.1.0 M201201110400	
PDT Mylyn Feature	3.0.1.v201201110400-4-07w31231222151
PHP Development Tools (PDT) All-In-One SDK	3.0.0.v201201110400-77-07E92C5Ad7...
PHP Development Tools (PDT) Runtime Feature	3.0.1.v201201110400-7V-79F8NcJTcJTT..
PHP Development Tools (PDT) SDK Feature	3.0.0.v201201110400-77-184_2BEICRg...
PHP Development Tools (PDT) Source Feature	3.0.1.v201201110400-7V-79F8NcJTcJTT..

Select All Deselect All 1 item selected

Details

Show only the latest versions of available software

Group items by category

Show only software applicable to target environment

Contact all update sites during install to find required software

Hide items that are already installed

What is already installed?

You could just get the “PDT Runtime Feature”

< Back Next > Cancel Finish

Install

Install Details

Review the items to be installed.

Name	Version	Id
PHP Development Tools (PDT) All-In-One SDK	3.0.0.v201201110...	org.eclipse.php.all.feature.group
PDT Mylyn Feature	3.0.1.v201201110...	org.eclipse.php.mylyn.feature.group
Dynamic Languages Toolkit - Mylyn Integration	3.0.0.v20101025-...	org.eclipse.dltk.mylyn.feature.group
Dynamic Languages Toolkit - Core Frameworks	3.0.0.v20101211-...	org.eclipse.dltk.core.feature.group
Mylyn Task List	3.6.2.v20110908-...	org.eclipse.mylyn_feature.feature.group
Mylyn Task-Focused Interface	3.6.2.v20110908-...	org.eclipse.mylyn.context_feature.feature
PHP Development Tools (PDT) SDK Feature	3.0.0.v201201110...	org.eclipse.php.sdk.feature.group
PHP Development Tools (PDT) Runtime Feature	3.0.1.v201201110...	org.eclipse.php.feature.group
Dynamic Languages Toolkit - Core Frameworks	3.0.0.v20101211-...	org.eclipse.dltk.core.feature.group
EMF - Eclipse Modeling Framework Core Runtime	2.7.1.v20110912-...	org.eclipse.emf.ecore.feature.group
Dynamic Languages Toolkit - Core H2 Index Fra...	3.0.0.v20101026-...	org.eclipse.dltk.core.index.feature.group
PHP Development Tools (PDT) Source Feature	3.0.1.v201201110...	org.eclipse.php.source.feature.group

Size: 48,544 KB

Details

< Back | Next > | Cancel | Finish

Install

Review Licenses

Licenses must be reviewed before the software can be installed. This includes licenses for software required to complete the install.

Licenses:

- Eclipse Foundation Software User Agreement
  - EMF - Eclipse Modeling Framework Core Runtime 2.7.1.v2011091
  - Mylyn Task List 3.6.2.v20110908-0706
  - Mylyn Task-Focused Interface 3.6.2.v20110908-0706
- Eclipse Foundation Software User Agreement
  - Dynamic Languages Toolkit - Core Frameworks 3.0.0.v20101211
  - Dynamic Languages Toolkit - Core H2 Index Frameworks 3.0.0.v
  - Dynamic Languages Toolkit - Mylyn Integration 3.0.0.v20101025
  - PDT Mylyn Feature 3.0.1.v201201110400-4-07w312312221511
  - PHP Development Tools (PDT) All-In-One SDK 3.0.0.v201201110
  - PHP Development Tools (PDT) Runtime Feature 3.0.1.v20120111
  - PHP Development Tools (PDT) SDK Feature 3.0.0.v201201110400
  - PHP Development Tools (PDT) Source Feature 3.0.1.v2012011104

License text:

Eclipse Foundation Software User Agreement
February 1, 2011

Usage Of Content

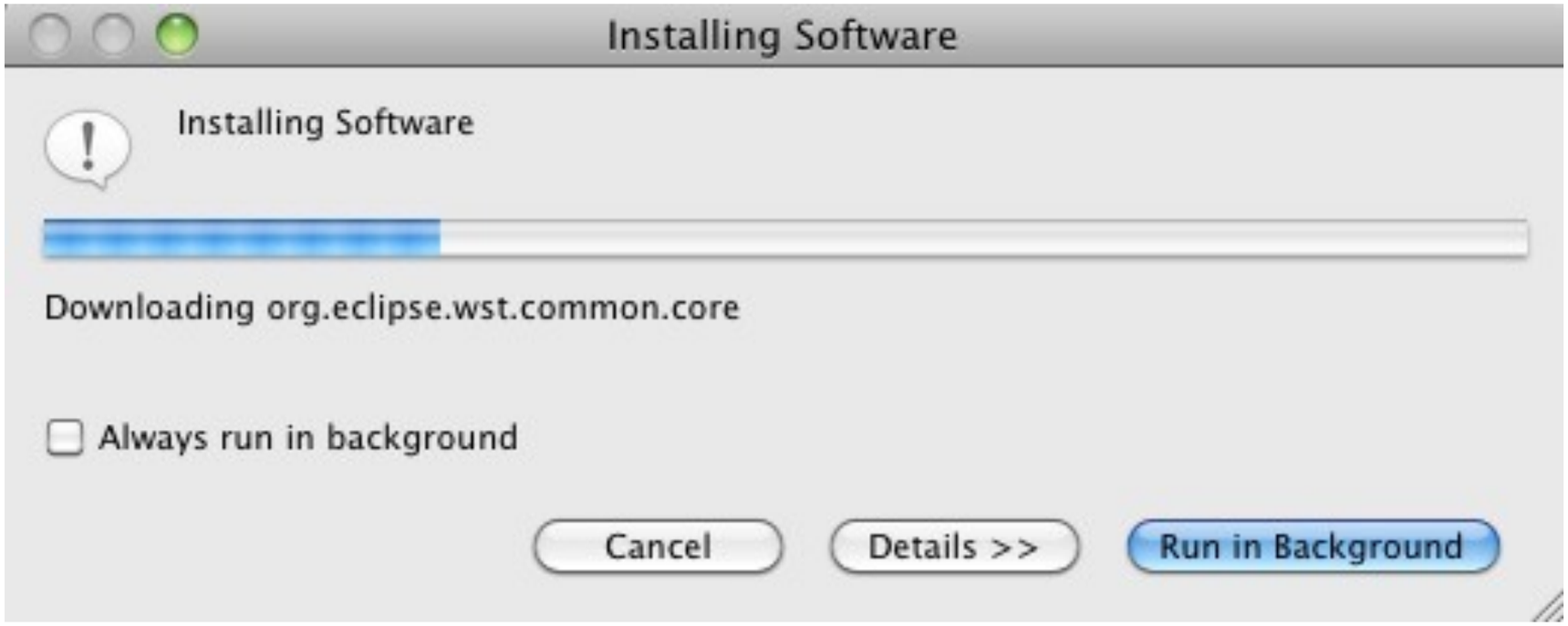
THE ECLIPSE FOUNDATION MAKES AVAILABLE SOFTWARE, DOCUMENTATION, INFORMATION AND/OR
OTHER MATERIALS FOR OPEN SOURCE PROJECTS (COLLECTIVELY "CONTENT").
USE OF THE CONTENT IS GOVERNED BY THE TERMS AND CONDITIONS OF THIS
AGREEMENT AND/OR THE TERMS AND CONDITIONS OF LICENSE AGREEMENTS OR
NOTICES INDICATED OR REFERENCED BELOW. BY USING THE CONTENT, YOU
AGREE THAT YOUR USE OF THE CONTENT IS GOVERNED BY THIS AGREEMENT
AND/OR THE TERMS AND CONDITIONS OF ANY APPLICABLE LICENSE AGREEMENTS
OR NOTICES INDICATED OR REFERENCED BELOW. IF YOU DO NOT AGREE TO THE
TERMS AND CONDITIONS OF THIS AGREEMENT AND THE TERMS AND CONDITIONS
OF ANY APPLICABLE LICENSE AGREEMENTS OR NOTICES INDICATED OR REFERENCED
BELOW, THEN YOU MAY NOT USE THE CONTENT.

Applicable Licenses

Unless otherwise indicated, all Content made available by the

(●) I accept the terms of the license agreements
( ) I do not accept the terms of the license agreements

< Back | Next > | Cancel | Finish



After installation comes a prompt to restart…

Install other Eclipse plugins

XTND

All Products | Dreamweaver | Eclipse | Drupal | jQuery

Drupal for Eclipse

http://xtnd.us/eclipse/drupal

Version: 0.2.0

Eclipse IDE, PHP, and Drupal - that's a lethal combo! This plug-in for Eclipse provides a layer of Drupal enhancements to PDT (PHP Developer Toolkit) for Eclipse IDE.

Links:
XTND.US Eclipse Plug-ins Install Site

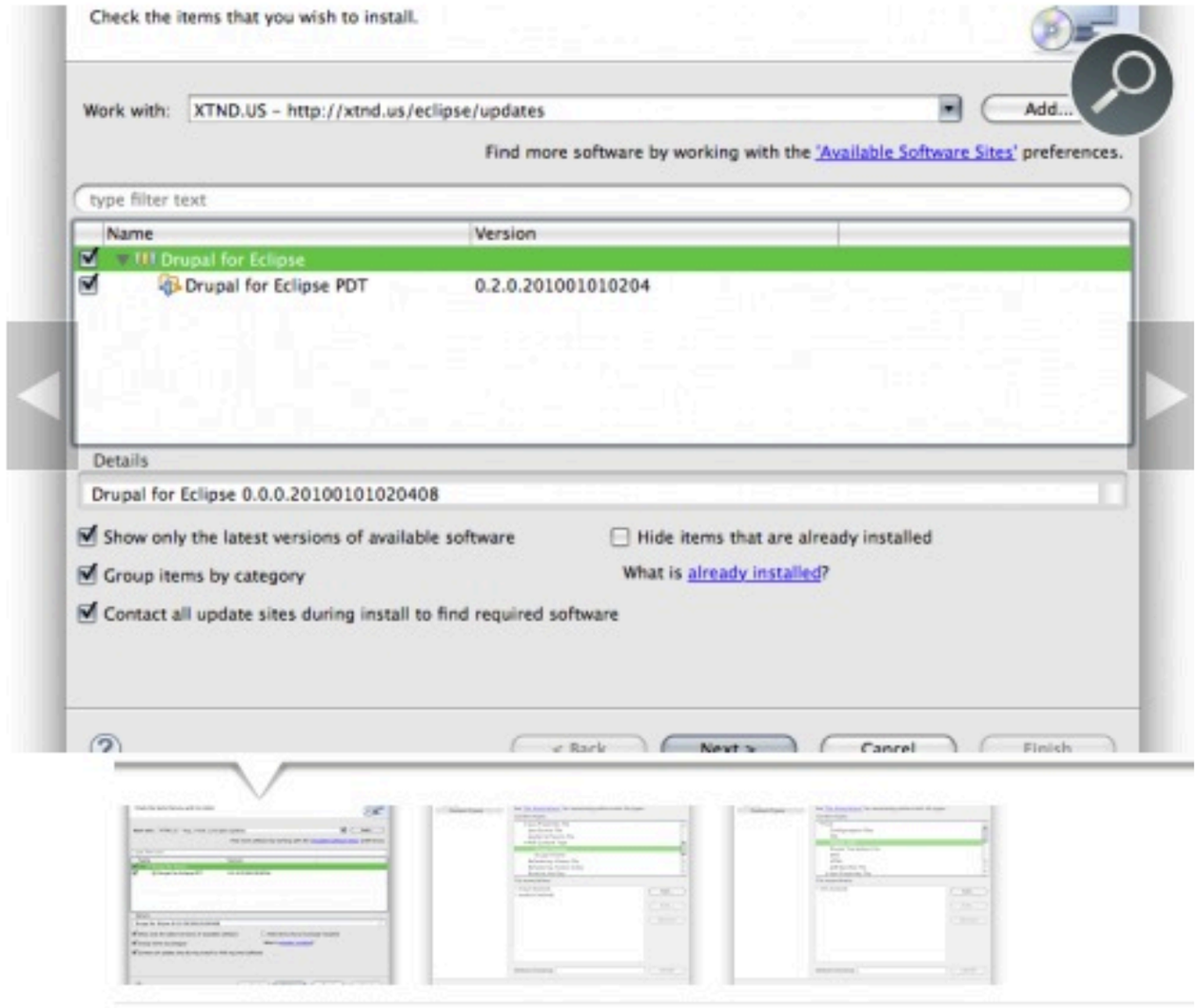
Installation notes

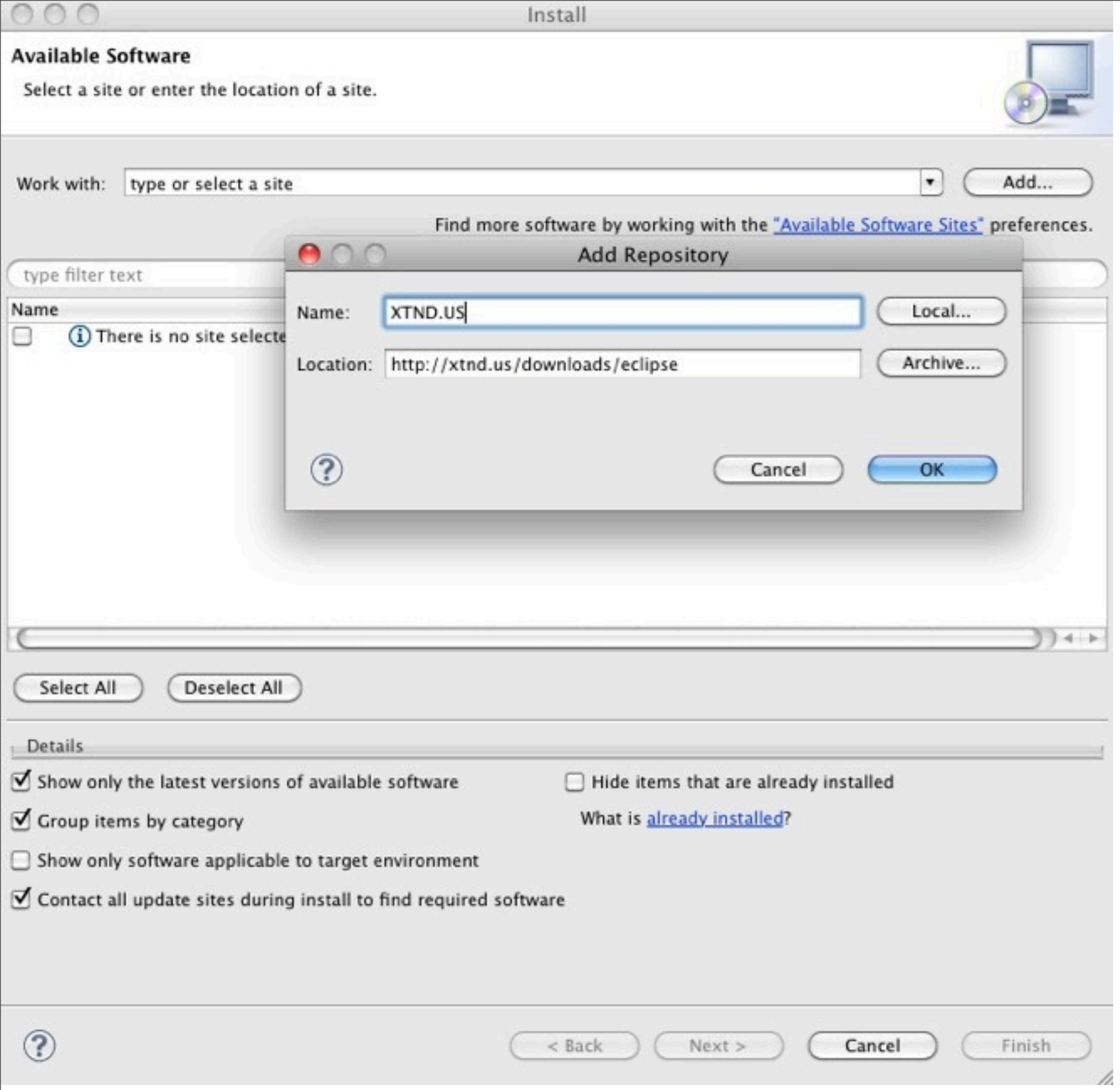
To install any of our Eclipse plug-ins choose the "Help" menu, then "Install New Software". Click the "Add" button or link and add this new software site:

Name: XTND.US
Location: http://xtnd.us/downloads/eclipse

System Requirements

Mac OS X, Windows, and Linux operating systems. Requires Eclipse IDE 3.4 or higher. PDT (PHP Developer Toolkit) must be installed prior to installing this plug-in suite.





Name: XTND.US

Location: http://xtnd.us.downloads/eclipse

Install

Available Software

Check the items that you wish to install.

Work with: XTND.US - http://xtnd.us/downloads/eclipse Add...

Find more software by working with the "Available Software Sites" preferences.

type filter text

Name	Version
☑ Drupal for Eclipse	
☑ Drupal for Eclipse PDT	0.2.1.201001011121

Select All Deselect All 1 item selected

Details

- ☑ Show only the latest versions of available software
- ☑ Group items by category
- ☐ Show only software applicable to target environment
- ☑ Contact all update sites during install to find required software
- ☐ Hide items that are already installed

What is already installed?

< Back Next > Cancel Finish

Preferences

type filter text

- General
  - Appearance
  - Capabilities
  - Compare/Patch
  - Content Types
  - Editors
  - Keys
  - Network Connections
  - Perspectives
  - Search
  - Security
  - Startup and Shutdown
  - Web Browser
  - Workspace
- Ant
- Dynamic Languages
- Help
- Install/Update
- Java
- JavaScript
- Mylyn
- PHP
- Plug-in Development
- Run/Debug
- Team
- Web
- XML

Content Types

See 'File Associations' for associating editors with file types.

Content types:

- Java Class File
- Text
  - Configuration Files
  - CSS
  - Drupal .Info
  - Drupal Translation File
  - HTML
  - JAR Manifest File
  - Java Properties File
  - Java Source File
  - JavaScript Source File
  - JS Object Notation File
  - PHP Content Type
    - Drupal Module
    - Drupal Theme
  - Refactoring History File
  - Refactoring History Index
  - Runtime log files
  - WikiText
  - XML
  - XML (Illformed)

Content types added by XTND.US plugin

File associations:

*.install (locked)
*.module (locked)
*.test (locked)

Add...
Edit...
Remove

Default encoding:

Update

Cancel
OK

Install other Eclipse plugins

eGit for GUI-based Git repository actions

Install

Available Software

Check the items that you wish to install.

Work with: Indigo - http://download.eclipse.org/releases/indigo Add...

Find more software by working with the "Available Software Sites" preferences.

egit

Name	Version
Collaboration	
Eclipse EGit	1.1.0.201109151100-r
Eclipse EGit Mylyn GitHub Feature	1.1.0.201109151100-r
EGit Mylyn	1.1.0.201109151100-r

Select All Deselect All 1 item selected

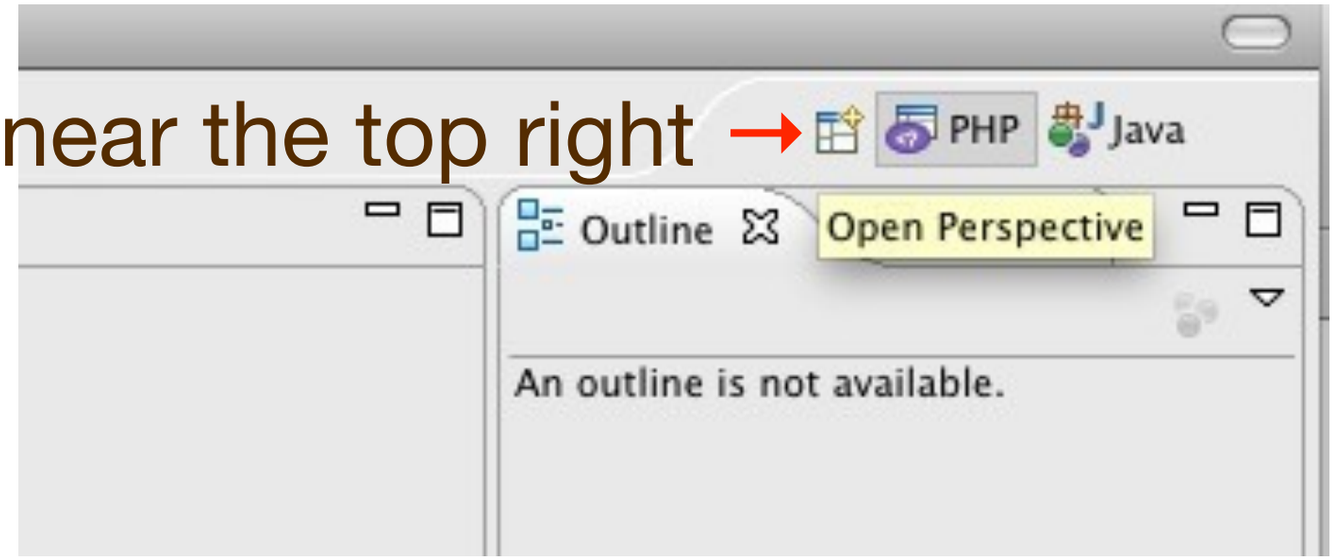
Details

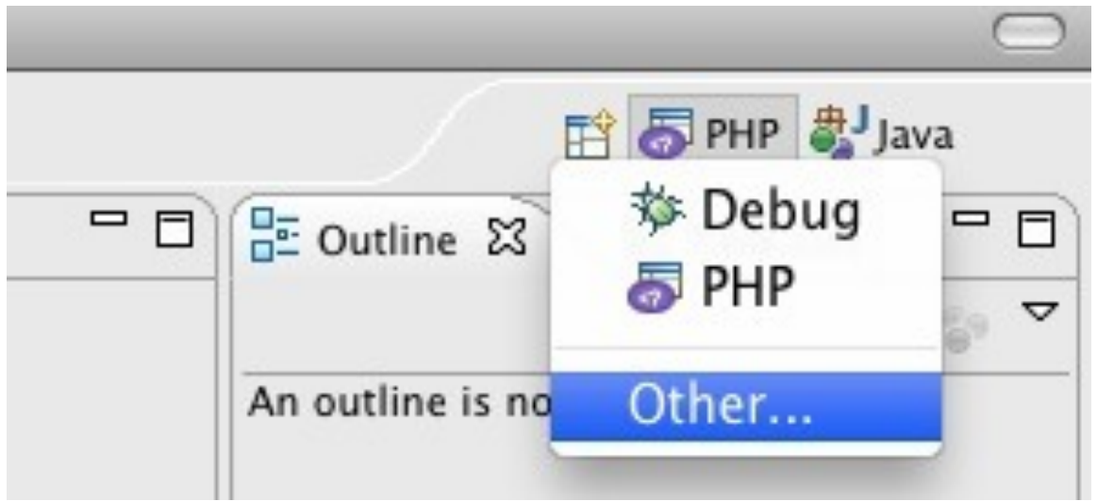
- [x] Show only the latest versions of available software
- [x] Group items by category
- [ ] Show only software applicable to target environment
- [x] Contact all update sites during install to find required software
- [ ] Hide items that are already installed

What is already installed?

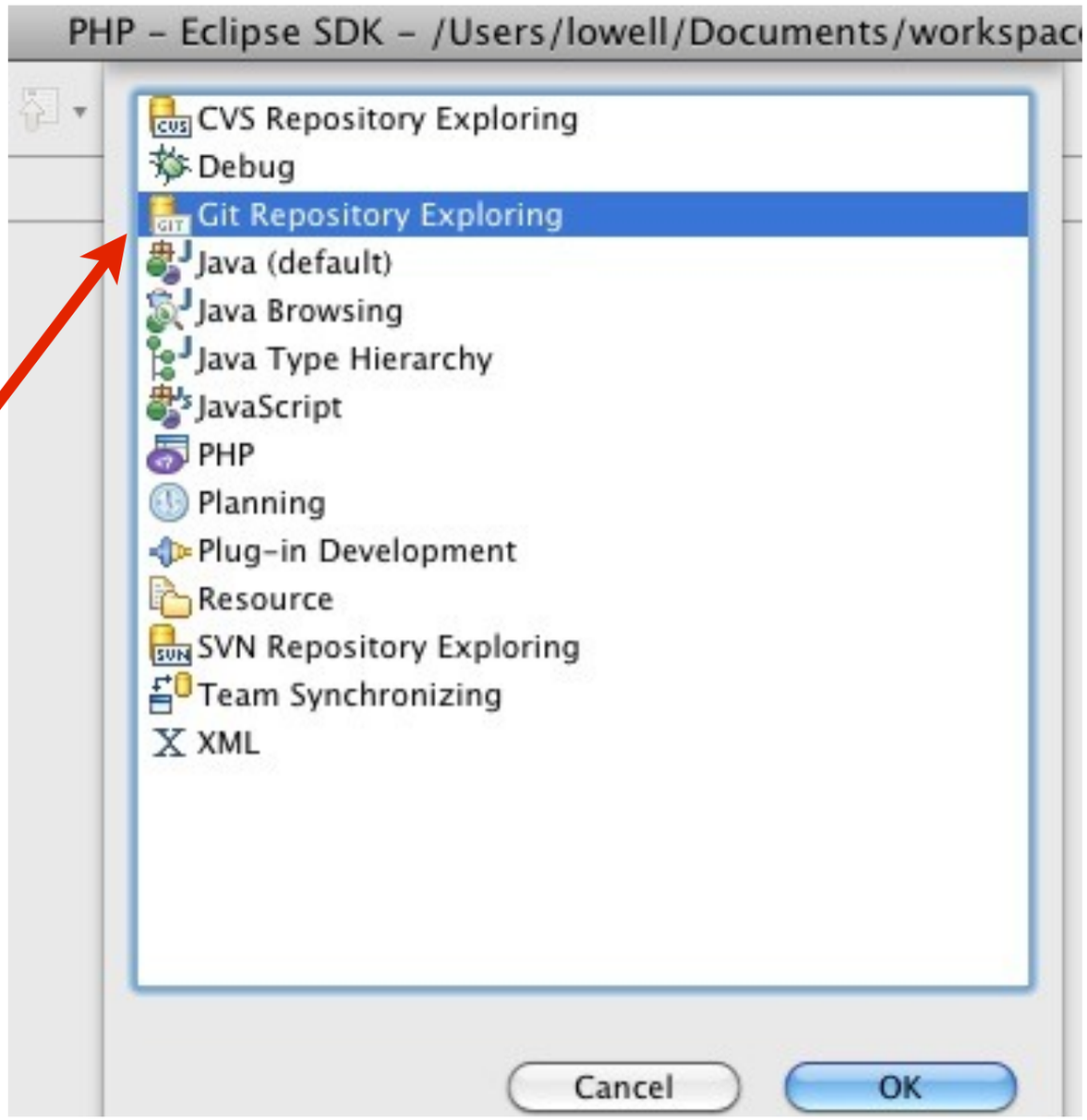
< Back Next > Cancel Finish

Click on this this icon near the top right





Git Repository Exploring

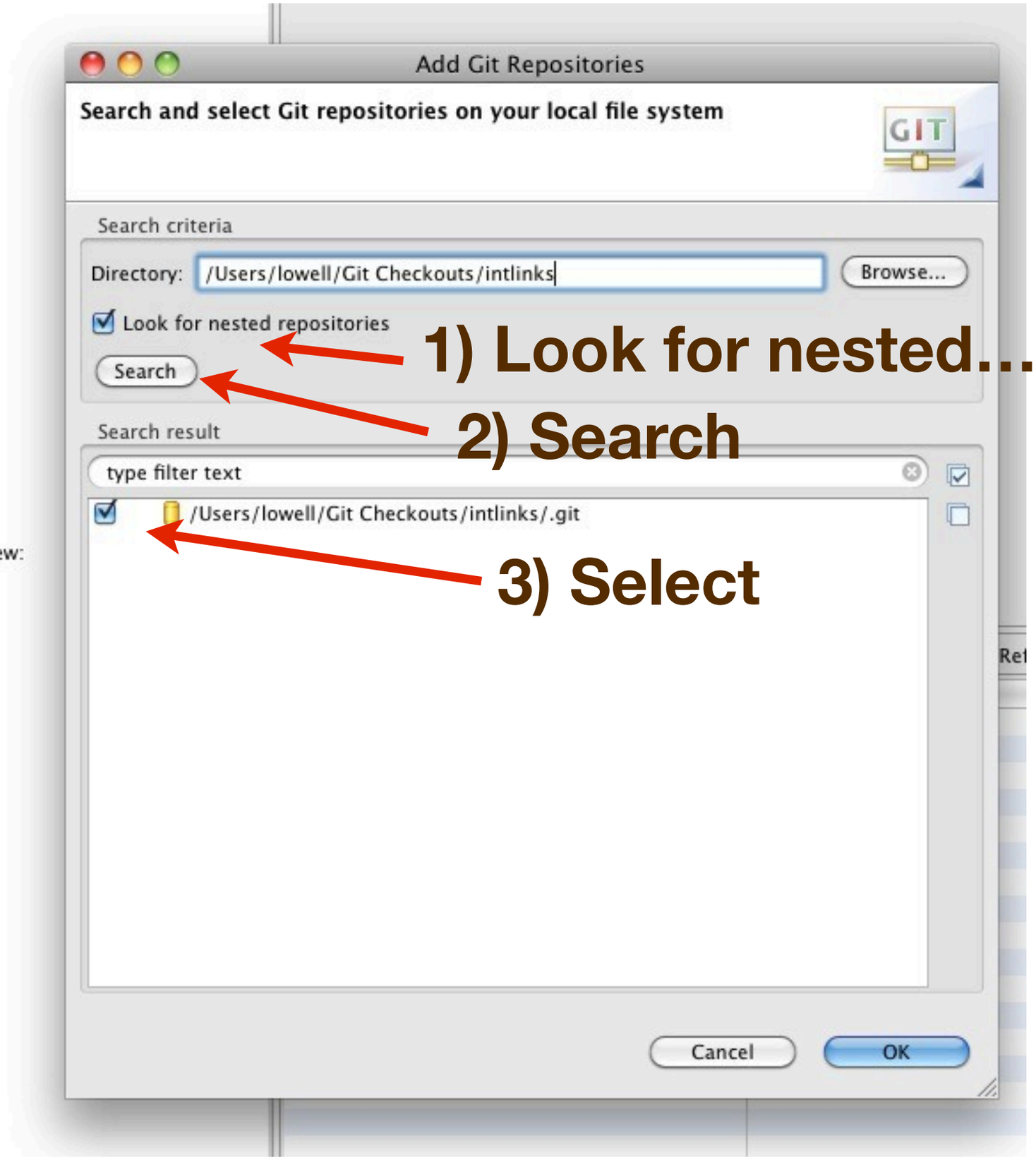


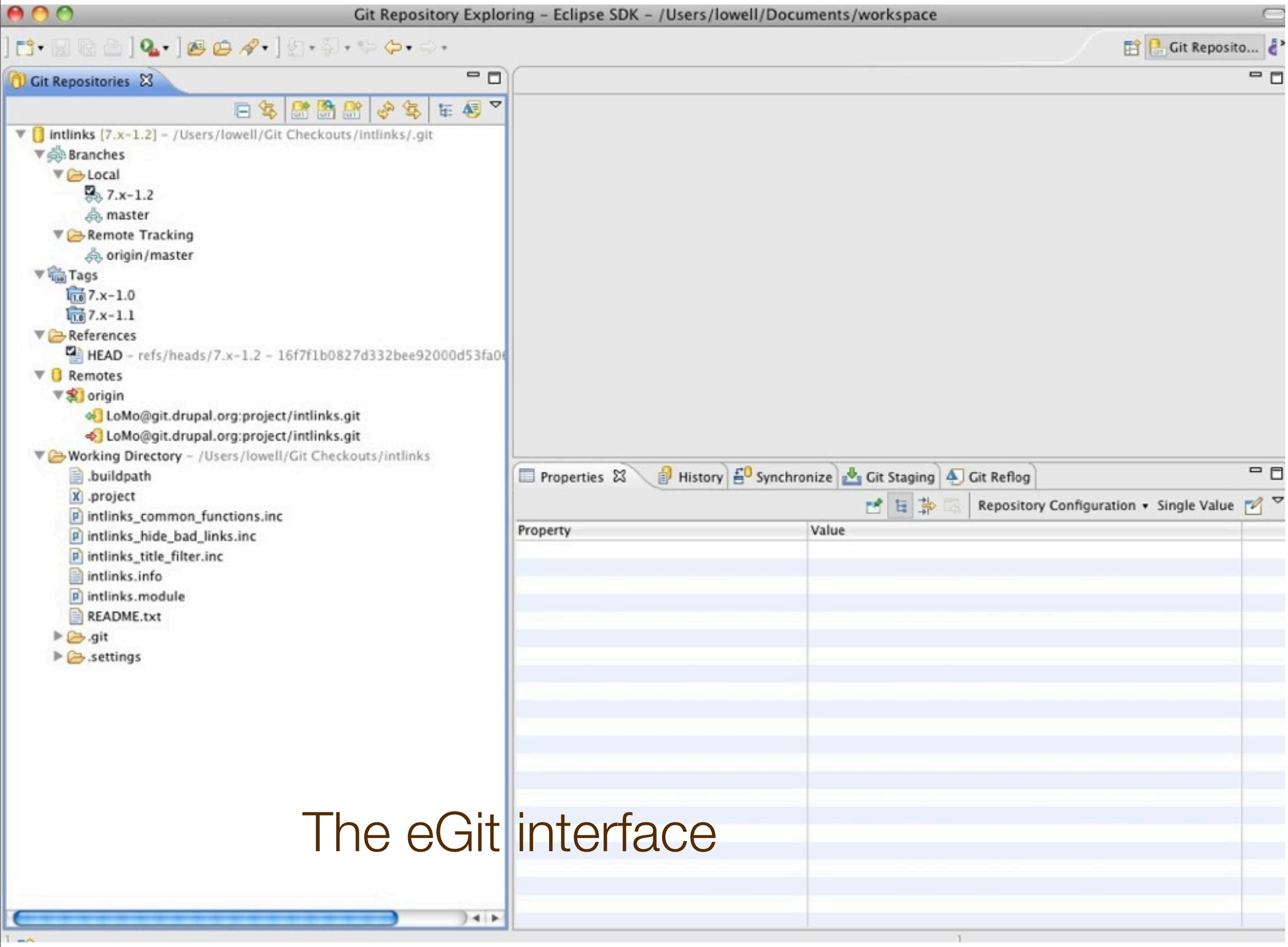
3 Choices:

Add existing…

Clone…

Create new…





The eGit interface

Install other Eclipse plugins

Subclipse for GUI-based SVN repository actions

eclipse marketplace

Visit other Eclipse Sites

Home | My Marketplace | Add Content | Login

Markets »

Sort by

Relevancy
Title
Type
Author
Date

Filter by Status

- Production/Stable (3)
- Beta (2)
- Mature (1)

Filter by License Type

- EPL (4)
- BSD (1)
- LGPL (1)

Filter by Categories

- Code Management (4)
- Mylyn Connectors (4)
- SCM (3)

1,294 Solutions and counting.

Subclipse Project | All Solutions Categories | All Markets | Search

Advanced Search

Found 6 results matching your query.

287 10
Install

Subclipse

An Eclipse Team Provider plug-in providing support for Subversion within the Eclipse IDE. Developed and maintained by Subversion core committers, Subclipse is always in synch ...

alm | Code Management | mylyn | Mylyn Connectors | mysvn | mysvntool | SCM | Subclipse | subversion | svn | Team Development | team provider | Tools | Tools | version control

Last Updated on 12 July 2011 by Mark Phippard

MPC Downloads Top 10

97 9
Install

Subversive - SVN Team Provider

The Subversive project aims to provide Subversion (SVN) integration for Eclipse. The Subversive plug-in gives you the ability to work with this CVS successor version control ...

Code Management | Mylyn Connectors | SCM | subversion | svn | Team Development | team provider | Tools | Tools

Last Updated on 9 March 2010 by Igor Vinnykov

MPC Downloads Top 10

Note: You really probably want **Subclipse**. But Subversive is the default SVN integration plugin.

Current Release

Eclipse 3.2/Callisto, 3.3/Europa, 3.4/Ganymede, 3.5/Galileo, 3.6/Helios, 3.7/Indigo, +

Subclipse 1.8.4 and 1.6.18 and 1.4.8 are now available for Eclipse 3.2+!

See the changelog for details. Existing Subclipse users should read the upgrade instructions for important information on changes you to need to make to your Eclipse preferences to see the new version in the update manager.

Subclipse 1.4.x includes and requires Subversion 1.5.x client features and working copy format.

Subclipse 1.6.x includes and requires Subversion 1.6.x client features and working copy format.

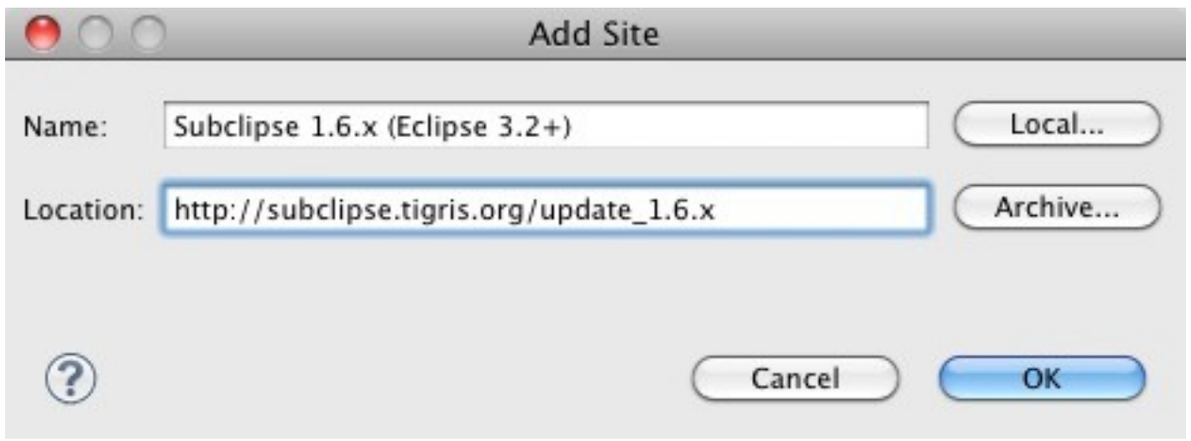
Subclipse 1.8.x includes and requires Subversion 1.7.x client features and working copy format.

Links for 1.8.x Release:
Changelog: http://subclipse.tigris.org/subclipse_1.8.x/changes.html
Eclipse update site URL: http://subclipse.tigris.org/update_1.8.x
Zipped downloads: http://subclipse.tigris.org/servlets/ProjectDocumentList?folderID=2240

Links for 1.6.x Release:
Changelog: http://subclipse.tigris.org/subclipse_1.6.x/changes.html
Eclipse update site URL: http://subclipse.tigris.org/update_1.6.x
Zipped downloads: http://subclipse.tigris.org/servlets/ProjectDocumentList?folderID=2240

Links for 1.4.x Release:
Changelog: http://subclipse.tigris.org/subclipse_1.4.x/changes.html
Eclipse update site URL: http://subclipse.tigris.org/update_1.4.x
Zipped downloads: http://subclipse.tigris.org/servlets/ProjectDocumentList?folderID=2240

http://subclipse.tigris.org



Name: Subclipse 1.6.x (Eclipse 3.2+)
Location: http://subclipse.tigris.org/update_1.6.x

Install

Available Software

Check the items that you wish to install.

Work with: Subclipse 1.6.x (Eclipse 3.2+) - http://subclipse.tigris.org/update_1.6.x Add...

Find more software by working with the "Available Software Sites" preferences.

type filter text

Name	Version
Core SVNKit Library	
SVNKit Library	1.3.5.7406
Optional JNA Library (recommended)	
JNA Library	3.2.7
Subclipse	
CollabNet Merge Client	2.2.4
Subclipse (Required)	1.6.18
Subclipse Integration for Mylyn 3.x (Optional)	3.0.0
Subversion Client Adapter (Required)	1.6.12
Subversion JavaHL Native Library Adapter (Required)	1.6.17
Subversion Revision Graph	1.0.9
SVNKit Client Adapter (Not required)	1.6.15

Select All Deselect All 9 items selected

Details

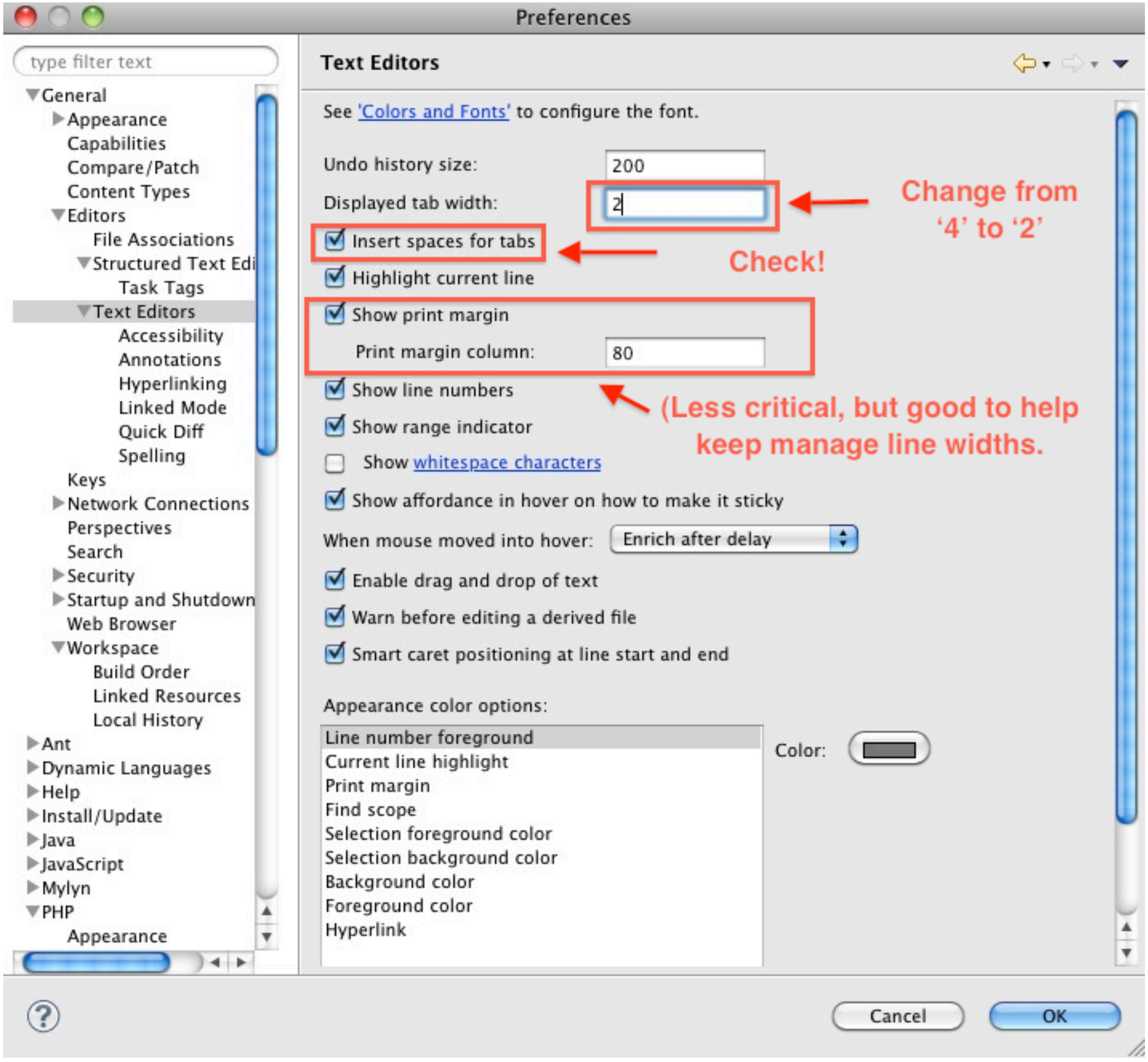
- [x] Show only the latest versions of available software
- [x] Group items by category
- [ ] Show only software applicable to target environment
- [x] Contact all update sites during install to find required software
- [ ] Hide items that are already installed

What is already installed?

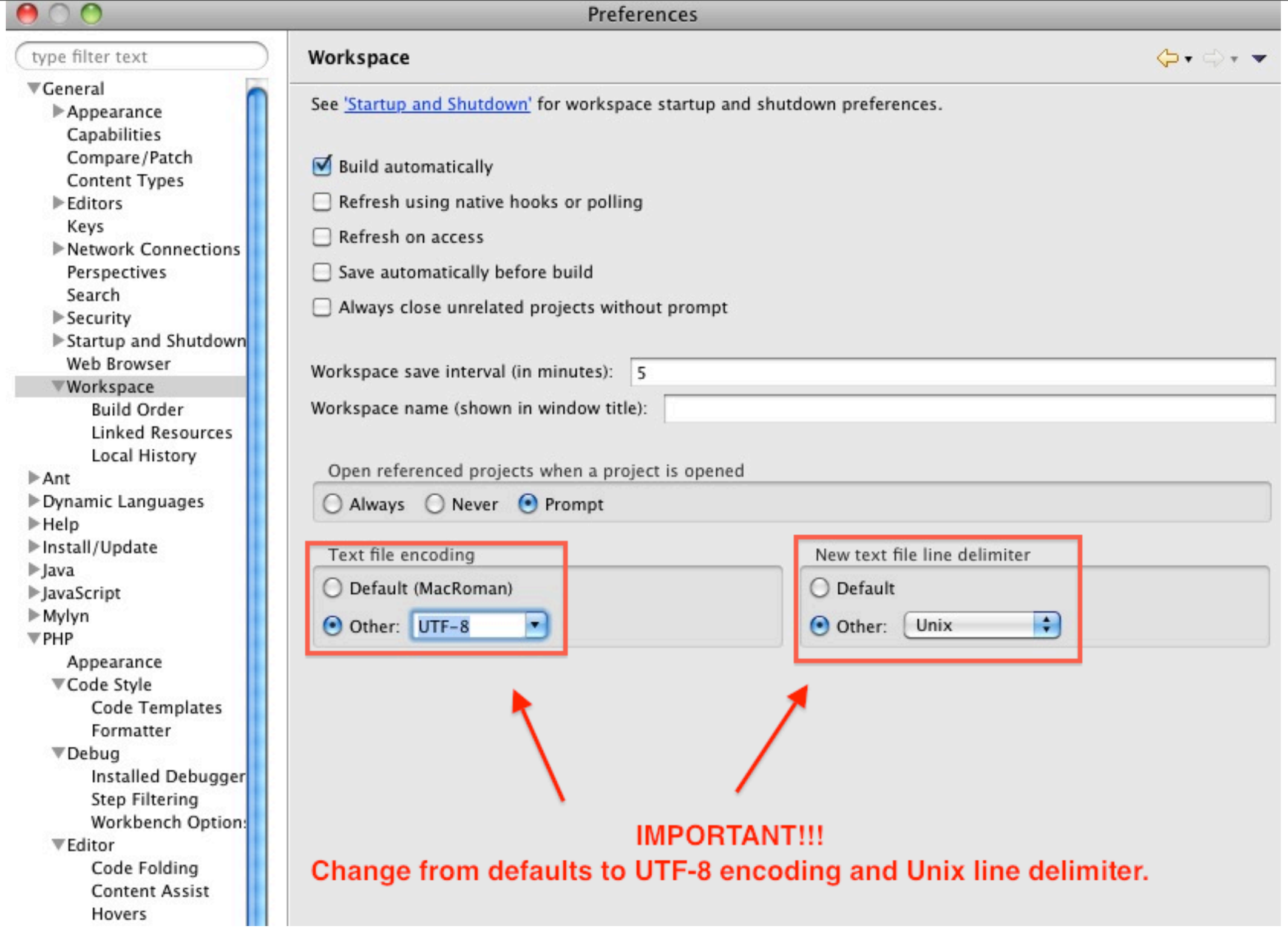
< Back Next > Cancel Finish

Critical Stuff: Preferences

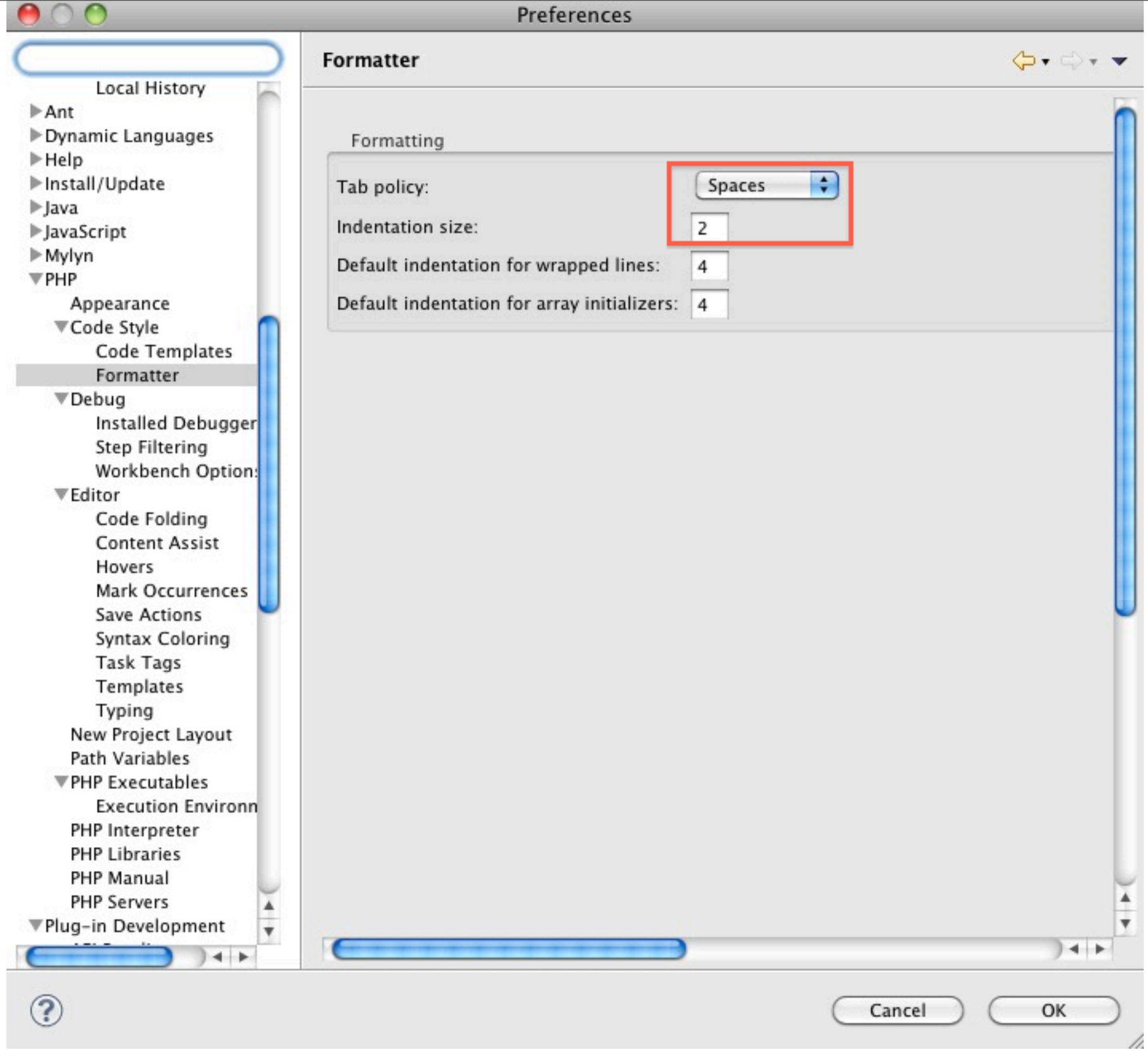
Drupal Coding Standards tweaks…



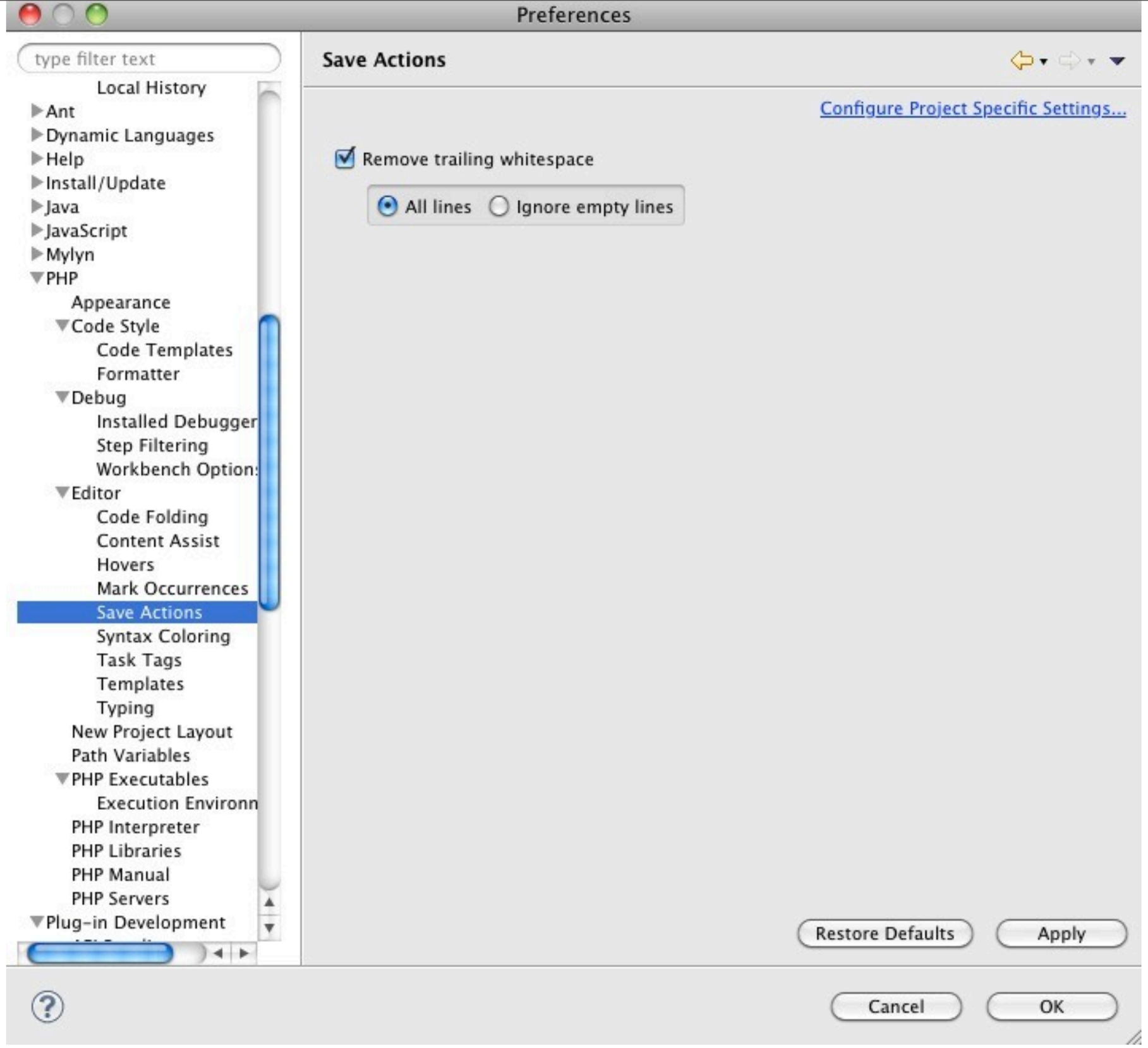
Preferences > General > Text Editors



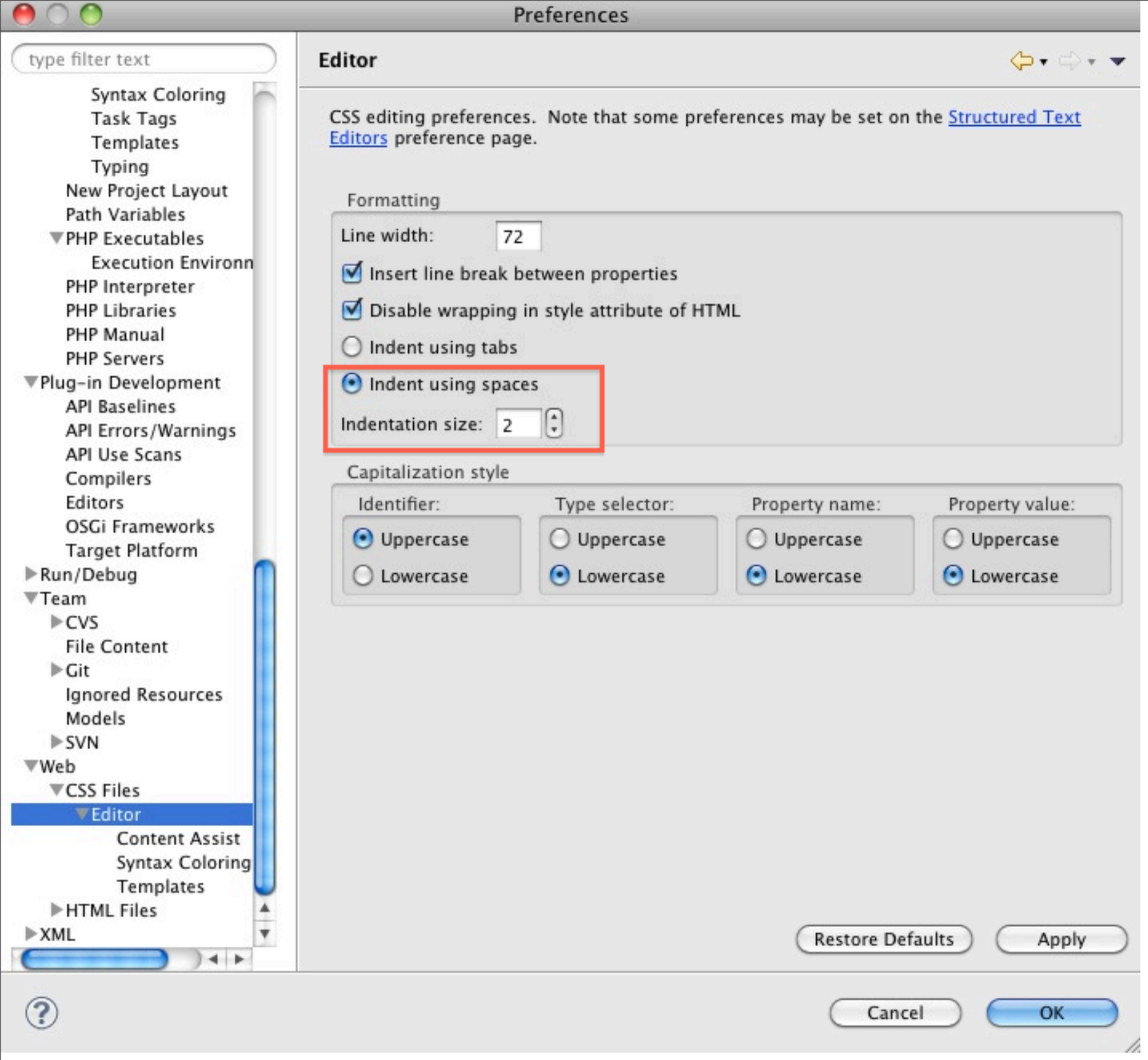
Preferences > General > Workspace



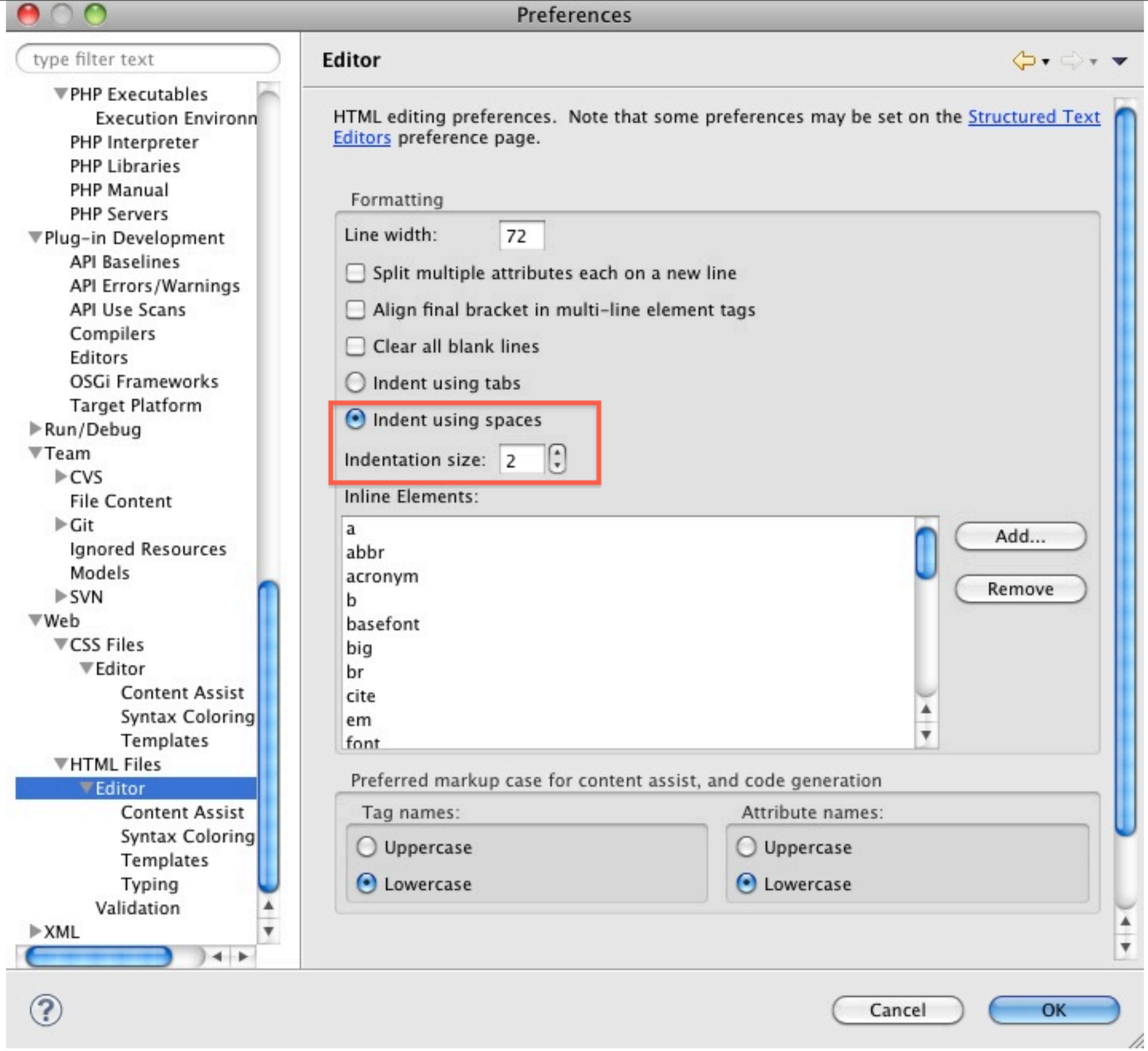
Preferences > PHP > Code Style > Formatter



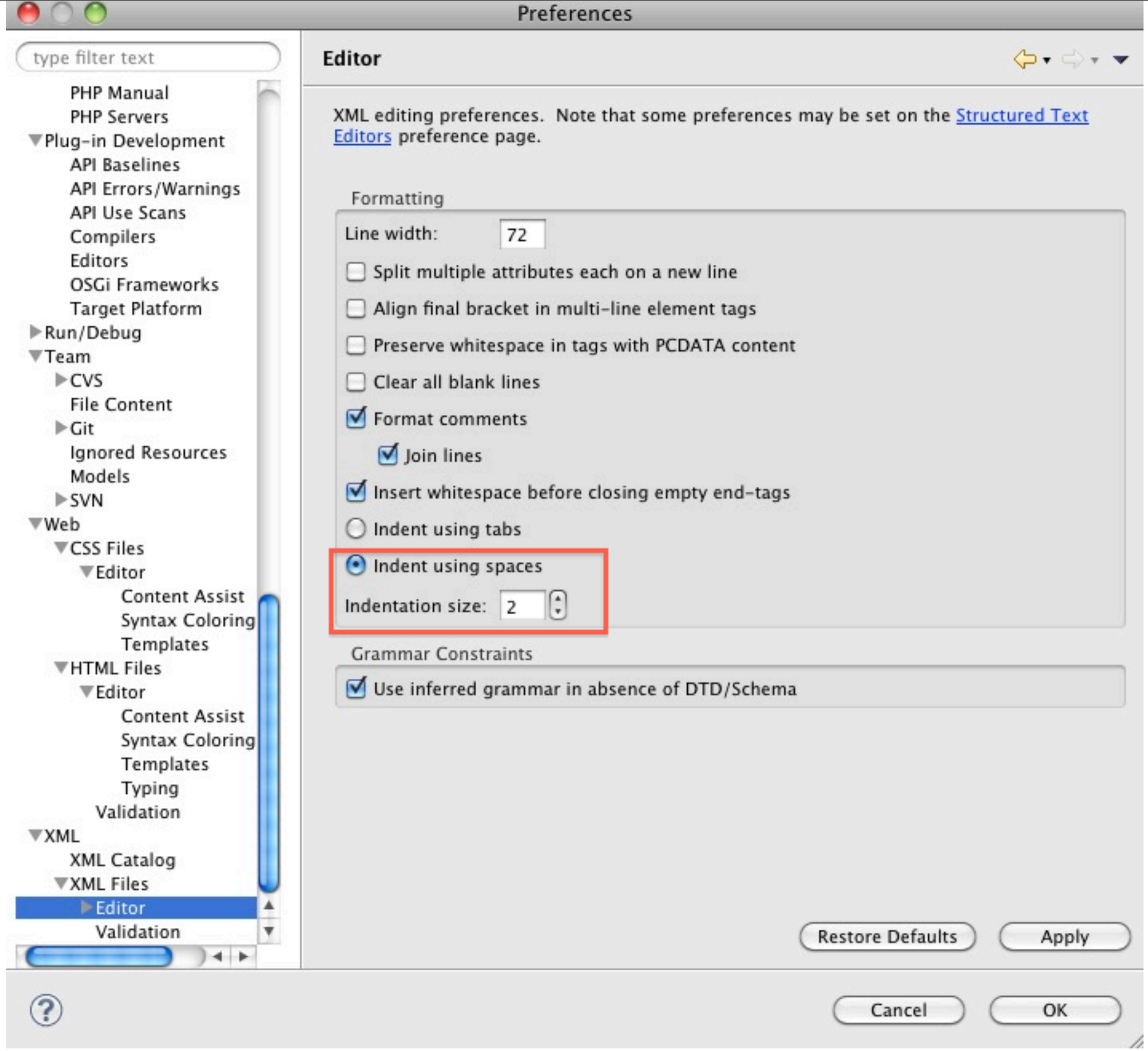
Preferences > PHP > Editor > Save Actions



Preferences > Web > CSS Files > Editor



Preferences > Web > HTML Files > Editor



Preferences > XML > XML Files > Editor

Helpful Stuff: Preferences

Import Templates for Drupal hooks

Download & Extend

Download & Extend Home | Drupal Core | Modules | Themes | Translations | Installation Profiles

Eclipse IDE

http://drupal.org/project/eclipse

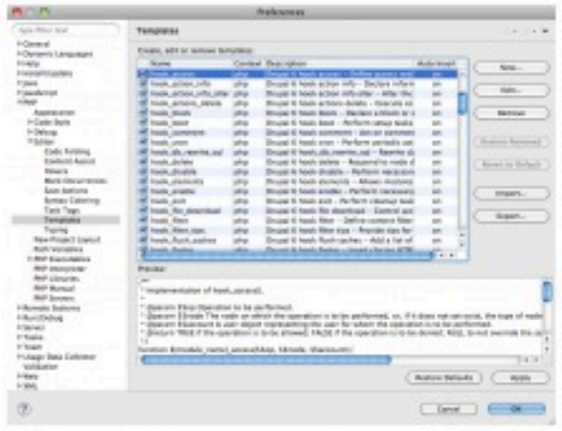
View | Version control | Revisions

Posted by deekayen on *December 16, 2010 at 2:56pm*

Templates for Drupal hooks in Eclipse PDT.

Related helpful tools:

- Drupal plug-in for Eclipse PDT



Project Information

Maintenance status: Seeking co-maintainer(s)
Development status: Maintenance fixes only

Module categories: Developer

Last modified: October 25, 2011

Downloads

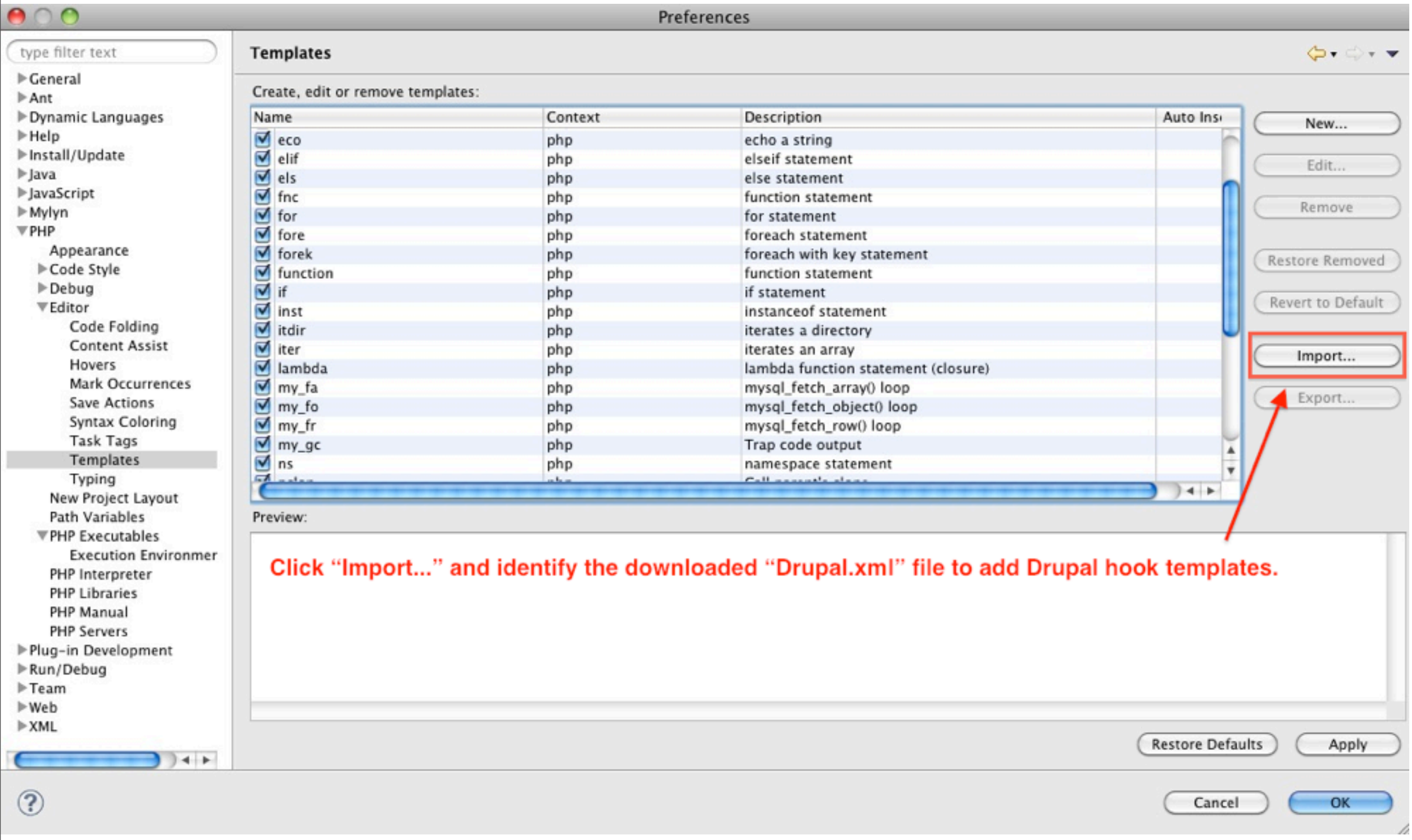
Version	Downloads	Date	Links
7.x-1.1	tar.gz (17.53 KB) | zip (18.04 KB)	2011-Dec-07	Notes
6.x-1.0	tar.gz (12.05 KB) | zip (12.53 KB)	2010-Dec-16	Notes

View all releases

You can install both Drupal 6 and Drupal 7 core hooks.

Note: This is NOT a module & both download as a folder called “eclipse”. Rename, if you like.

http://drupal.org/project/eclipse



Preferences > PHP > Editor > Templates

*drupal_eclipse_demo.module | drupal_eclipse_demo.info

```
1  <?php
2    hook_filter
```

hook_filter – Drupal 6 hook filter – Define cont
hook_filter_format_disable – Drupal 7 hook filt
hook_filter_format_insert – Drupal 7 hook filte
hook_filter_format_update – Drupal 7 hook filt
hook_filter_info – Drupal 7 hook filter info – Define content filters.
hook_filter_info_alter – Drupal 7 hook filter inf
hook_filter_tips – Drupal 6 hook filter tips – Pr

Press '^Space' to show Template Propos

```
/**
* Implements hook_filter_info().
*/
function module_name_filter_info() {
$filters[''] = array(
'title' => t(''),
'description' => t(''),
'process callback' => '',
'tips callback' => '',
);
return $filters;
}
```

*drupal_eclipse_demo.module | drupal_eclipse_demo.info

```
1  <?php
2    /**
3     * Implements hook_filter_info().
4     */
5    function module_name_filter_info() {
6      $filters[''] = array(
7        'title' => t(''),
8        'description' => t(''),
9        'process callback' => '',
10       'tips callback' => '',
11     );
12     return $filters;
13   }
```

Creating (or customizing) your own templates

Preferences

type filter text

- General
- Ant
- Aptana Studio
- Dynamic Languages
- Help
- Install/Update
- Java
- JavaSc
- Mylyn
- PHP
  - Ap
  - Co
  - De
  - Edi
  - Ne
  - Pat
  - PH
  - PH
  - PH
  - PHP Manual
  - PHP Servers
- Plug-in Development
- PyDev
- Run/Debug
- Team
- Web
- XML

Templates

Create, edit or remove templates:

Name	Context	Description	Auto Ins
cls	php	class statement	
eco	php	echo a string	
elif	php	elseif statement	

New...

Edit...

Edit Template

Name: hook_action_info_alter

Context: php

Automatically insert

Description: Drupal 7 hook action info alter - Alter the actions declared by another module.

Pattern:

```
/**
 * Implements hook_action_info_alter().
 */
function ${module_name}_action_info_alter(&$$actions) {
  $$actions['${cursor}'];
}
```

Insert Variable...

Cancel OK

```
  $$actions['${cursor}'];
}
```

Restore Defaults Apply

Cancel OK

Look at an existing function template

Preferences

type filter text

- General
- Ant
- Aptana Studio
- Dynamic Languages
- Help
- Install/Update
- Java
- JavaSc
- Mylyn
- PHP
  - Ap
  - Co
  - De
  - Edi
  - Ne
  - Pat
  - PH
  - PH
  - PH
  - PHP Manual
  - PHP Servers
- Plug-in Development
- PyDev
- Run/Debug
- Team
- Web
- XML

Templates

Create, edit or remove templates:

Name	Context	Description	Auto Ins
cls	php	class statement	
eco	php	echo a string	
elif	php	elseif statement	

New...

Edit...

$$actions['${cursor}'];
}

Restore Defaults

Apply

Cancel

OK

Edit Template

Name: hook_action_info_alter

Context: php

Automatically insert

Description: Drupal 7 hook action info alter - Alter the actions declared by another module.

Pattern:

```
/**
 * Implements hook_action_info_alter().
 */
function ${module_name}_action_info_alter(&$$actions) {
  $$actions['${cursor}'];
}
```

Insert Variable...

Cancel

OK

Look at the pattern...

1) Dollar signs get doubled

2) Variable parts get wrapped in ${…}

3) ${cursor} is where the cursor is placed after variable replacement.

Home » API reference » Drupal 7 » views.api.php

hook_views_form_submit

6 docs.php	hook_views_form_submit($form, &$form_state)
7 views.api.php	hook_views_form_submit($form, &$form_state)

Views form (View with form elements) submit handler. Called for all steps ($form_state['step']) of the multistep form.

Get code for a contrib API hook:

Example uses a D7 Views hook

Related topics

Views' hooks

Hooks that can be implemented by other modules in order to implement the Views API.

6 functions implement hook_views_form_submit()

File

contributions/views/docs/views.api.php, line 593

This file contains no working PHP code; it exists to provide additional documentation for doxygen as well as to document hooks in the standard Drupal manner.

Code

```
<?php
function hook_views_form_submit($form, &$form_state) {
  // example code here
}
?>
```

http://drupalcontrib.org/api/drupal/contributions!views!docs!views.api.php/group/views_hooks/7

Preferences

type filter text

- General
- Ant
- Aptana Studio
- Dynamic Languages
- Help
- Install/Update
- Java
- JavaSc
- Mylyn
- PHP
  - Ap
  - Co
  - De
  - Edi
  - Ne
  - Pat
  - PH
  - PH
  - PH
  - PHP Manual
  - PHP Servers
- Plug-in Development
- PyDev
- Run/Debug
- Team
- Web
- XML

Templates

Create, edit or remove templates:

Name	Context	Description	Auto Inse
hook_validate	php	Drupal 7 hook valid...	on
hook_verif...	php	Drupal 7 hook verif...	on
hook_view	php	Drupal 7 hook view	on

New...

Edit...

Restore Defaults

Apply

Cancel

OK

Edit Template

Name: hook_views_form_submit

Context: php

Automatically insert

Description: Drupal 7 Views - Views hook_views_form_submit - form (View with form elements) submit handle

Pattern:

```
function hook_views_form_submit($form, &$form_state) {
  // example code here
}
```

Insert Variable...

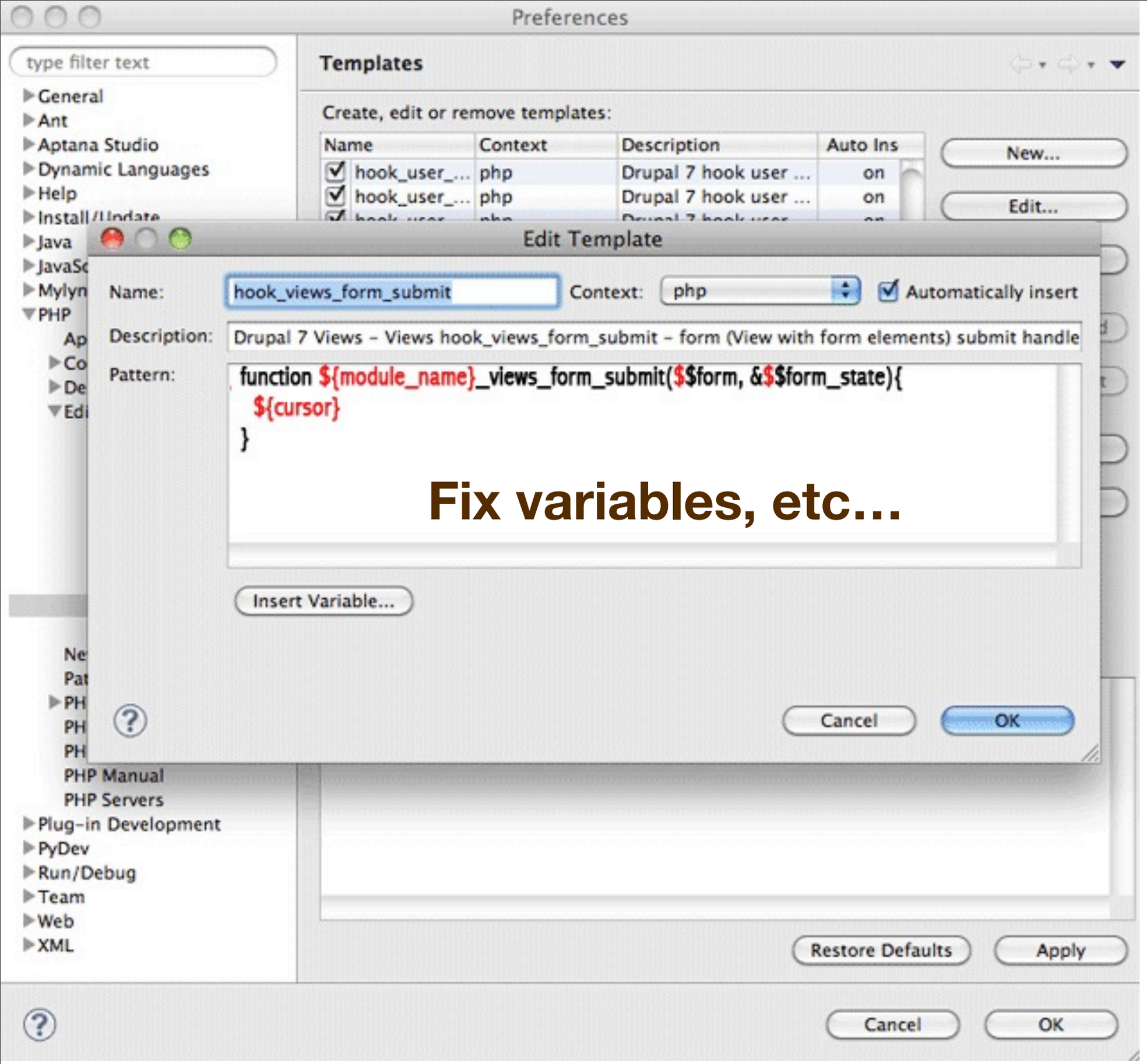
Template has incomplete variables. Type '$$' to enter the dollar character.

Cancel

OK

Copy and paste...

You may also want to add a docs block to the template.


Preferences
type filter text
General
Ant
Aptana Studio
Dynamic Languages
Help
Install/Update
Java
JavaSc
Mylyn
PHP
Templates
Create, edit or remove templates:
Name
Context
Description
Auto Ins
hook_user_...
php
Drupal 7 hook user ...
on
hook_user_...
php
Drupal 7 hook user ...
on
New...
Edit...
Edit Template
Name:
hook_views_form_submit
Context:
php
Automatically insert
Description:
Drupal 7 Views - Views hook_views_form_submit - form (View with form elements) submit handle
Pattern:
function ${module_name}_views_form_submit($$form, &$$form_state){
${cursor}
}
Fix variables, etc…
Insert Variable...
Cancel
OK
PHP Manual
PHP Servers
Plug-in Development
PyDev
Run/Debug
Team
Web
XML
Restore Defaults
Apply
Cancel
OK

Productive workflow

Keyboard shortcuts you'll want to take home with you.

Note: The print version of the presentation does not illustrate all shortcuts discussed. Most of these were demonstrated with recorded video "clips". Some of these have been changed to still graphics for the PDF.

Keyboard Shortcuts for better workflow

- **⌘K** (**Ctrl + K**) **Next** (Add shift key for "**Previous**" (e.g. to move between function calls in an open editor window)
- **F3** Goto function declaration (in new editor tab if declaration is in another file)
- **⌘D** (**Ctrl + D**) Delete current line or selection
- **⌘O** (**Ctrl + O**) Lookup function in document (popup menu with all functions in the current document)
- **⌘ + Option + ↓** (**Ctrl + Alt + ↓**)
  Duplicate current line or selection (below; use ↑ to duplicate above)
- **Option + ↓** (**Alt + ↓**) Move selected lines down (use ↑ to move them up)
- **⌘/** (**Ctrl + /**) Toggle commenting (add or remove line comments in PHP code)
- **control + M** (**Ctrl + M**) Toggle maximize/restore state of active view or editor

admin_menu.api.php | admin_menu.module | *intlinks.module

```
102   include_once 'intlinks_title_filter.inc';
103   return preg_replace_callback('%<a([^>]*?href="([^"]+?)"[^>]*?)>%i',
104     "_intlinks_title_process_link", $text);
105 }
106
107 /**
108  * Filter process callback for intlinks_hide_bad_filter.
109  *
110  * @param $text
111  *   Text to be filtered. Regex pattern matches links to be processed.
112  *
113  * @return
114  *   Filtered text with proc
115  *   removed, leaving just t
116  *   If all is well, simply
117  *   staff to link unpublish
118  *   article is published.
119  */
120 function intlinks_hide_bad_f
121   include_once 'intlinks_hid
122   return preg_replace_callba
123     "_intlinks_process_bad_l
124 }
125
126 /**
127  * Filter tips callback for
128  */
129 function intlinks_title_filt
130   if ($filter->settings['int
131     return t('Adds node titl
132       ' (as HTML "title" att
133   }
134 }
135
136 /**
137  * Filter tips callback for intlinks_hide_bad filter.
138  */
139 function intlinks_hide_bad_filter_tips($filter, $format, $long = FALSE) {
140   if ($filter->settings['intlinks_hide_bad_display_tip']) {
141     return t('Strips broken/unpublished internal links from output.');
142   }
143 }
144
```

intlinks_help($path, $arg)
intlinks_filter_info()
intlinks_title_filter_process(Text)
intlinks_hide_bad_filter_process(Text)
intlinks_title_filter_tips($filter, $format, $long=FALSE)
intlinks_hide_bad_filter_tips($filter, $format, $long=FALS

Press '⌘O' to show inherited members

⌘O (Ctrl + O) Look up function in document

PHP – intlinks/intlinks_title_filter.inc – Eclipse SDK – /Users/lowell/Documents/workspace

PHP Explorer | Type Hierarchy

- drupal_eclipse_demo
- > intlinks [intlinks 7.x-1.2]
  - .git
  - > intlinks_common_functions.inc
    - intlinks_is_node_path(A)
  - > intlinks_hide_bad_links.inc
    - _intlinks_process_bad_link(Parameter)
    - intlinks_is_published(The)
    - intlinks_is_special_path($path)
  - > intlinks_title_filter.inc
    - _intlinks_title_process_link(Parameter)
    - intlinks_get_node_title_from_nid(The)
  - > intlinks.info
  - > intlinks.module
    - intlinks_filter_info()
    - intlinks_help($path, $arg)
    - intlinks_hide_bad_filter_process(Text)
    - intlinks_hide_bad_filter_tips($filter, $format, $long=FALSE)
    - intlinks_title_filter_process(Text)
    - intlinks_title_filter_tips($filter, $format, $long=FALSE)
  - README.txt
  - PHP Include Path
  - PHP Language Library

intlinks_title_filter | intlinks.module | intlinks_hide_bad_lin | intlinks_title_filter

```
57   *
58   * @return
59   *   Original link, possibly modified to include HTML title="value" attribute
60   *   and/or URL path alias if link passed was, e.g. <a href="/node/123">.
61   */
62 function _intlinks_title_process_link($matches) {
63   if (($matches[2][0] != "/") && ($matches[2][0] != '.')) {
64     // Do nothing if the link is not internal (root rel or doc rel).
65     return $matches[0];
66     // All links *should* be root relative.
67   }
68   $has_query = FALSE;
69   $trimmed_path = ltrim($matches[2], "/");
70   if (strpos($trimmed_path, '?')) {
71     $has_query = TRUE;
72     $path_parts = explode('?', $trimmed_path);
73   }
74   else {
75     $path_parts = explode('#', $trimmed_path);
76   }
77   // If an HTML title attribute already exists...
78   if (strpos($matches[1], 'title=') !== FALSE) {
79     // and if the link is not to a "normal Drupal path" (path alias exists)...
80     if (strpos($matches[2], '/node/') != 0) {
81       // Do nothing if we already have a path alias and title.
82       return $matches[0];
83     }
84     // Deal with links to normal Drupal paths which already have a title.
85     // Change the Drupal path to a path alias, if one exists.
86     elseif ($matches[2][0] == '/') {
87       // The 2nd part of a normal Drupal path is the node id.
88       if ($node_id = intlinks_is_node_path($path_parts[0])) {
89         $node_path = 'node/' . $node_id;
90         // Get alias, if one exists; otherwise, keep path as-is.
91         $path = drupal_get_path_alias($node_path);
92         $insert_path = '/' . check_plain($path);
93         // Exploding around '#' produces 2-element array for paths w/ anchors.
94         if (count($path_parts) == 2) {
95           if (!$has_query) {
96             // $path_parts[1] is the anchor.
97             $insert_path .= '#' . $path_parts[1];
98           }
99           else {
```

Note: You can also see all functions by expanding files in the PHP Explorer perspective (available in PDT, only) or see the “outline” view in various perspectives.

⌘/ (Ctrl + /) Toggle line comments on and off for selected lines.

```
125
126 /**
127  * Filter tips callback for intlinks_title filter.
128  */
129 // function intlinks_title_filter_tips($filter, $format, $long = FALSE) {
130 //   if ($filter->settings['intlinks_title_display_tip']) {
131 //     return t('Adds node titles to internal links found in content' .
132 //       ' (as HTML "title" attribute).');
133 //   }
134 // }
135
```

Preferences

type filter text

- General
  - Appearance
  - Capabilities
  - Compare/Patch
  - Content Types
  - Editors
  - Keys
  - Network Connections
  - Perspectives
  - Search
  - Security
  - Startup and Shutdown
  - Web Browser
  - Workspace
- Ant
- Aptana Studio
- Dynamic Languages
- Help
- Install/Update
- Java
- JavaScript
- Mylyn
- PHP
- Plug-in Development
- PyDev
- Run/Debug
- Team
- Web
- XML

Keys

Scheme: Default

Filter commands to find what you are looking for.

move

Command	Binding	When	Category	User
Move - Refactoring	⇧⌥V	DLTK View	Refactor - PHP	
Move - Refactoring	⇧⌥V	Editing PHP source	Refactor - PHP	
Move - Refactoring	⌥⌘V	DLTK View	Refactor - PHP	
Move - Refactoring	⌥⌘V	Editing PHP source	Refactor - PHP	
Move - Refactoring	⌥⌘V	In Windows	Refactor - Java	
Move - Refactoring	⌥⌘V	JavaScript View	Refactor - JavaScript	
Move Lines Down	⌥↓	Editing Text	Text Editing	
Move Lines Up	⌥↑	Editing Text	Text Editing	
Move Resources			Refactoring	
Move Type to New File			Refactor - Java	
Move...			File	
Remove All Breakpoints			Run/Debug	
Remove Block Comment			Script Source	
Remove Block Comment	⇧⌘\	Editing in Structured ...	Edit	
Remove Block Comment	⇧⌘\	Editing Java Source	Source	

Copy Command | Unbind Command | Restore Command

Modify keyboard shortcut, if you like.

Name: Move Lines Down

Description: Moves the selected lines down

Binding: ⌥↓

When: Editing Text

Conflicts:

Command	When

Filters... | Export CSV...

Restore Defaults | Apply

Cancel | OK

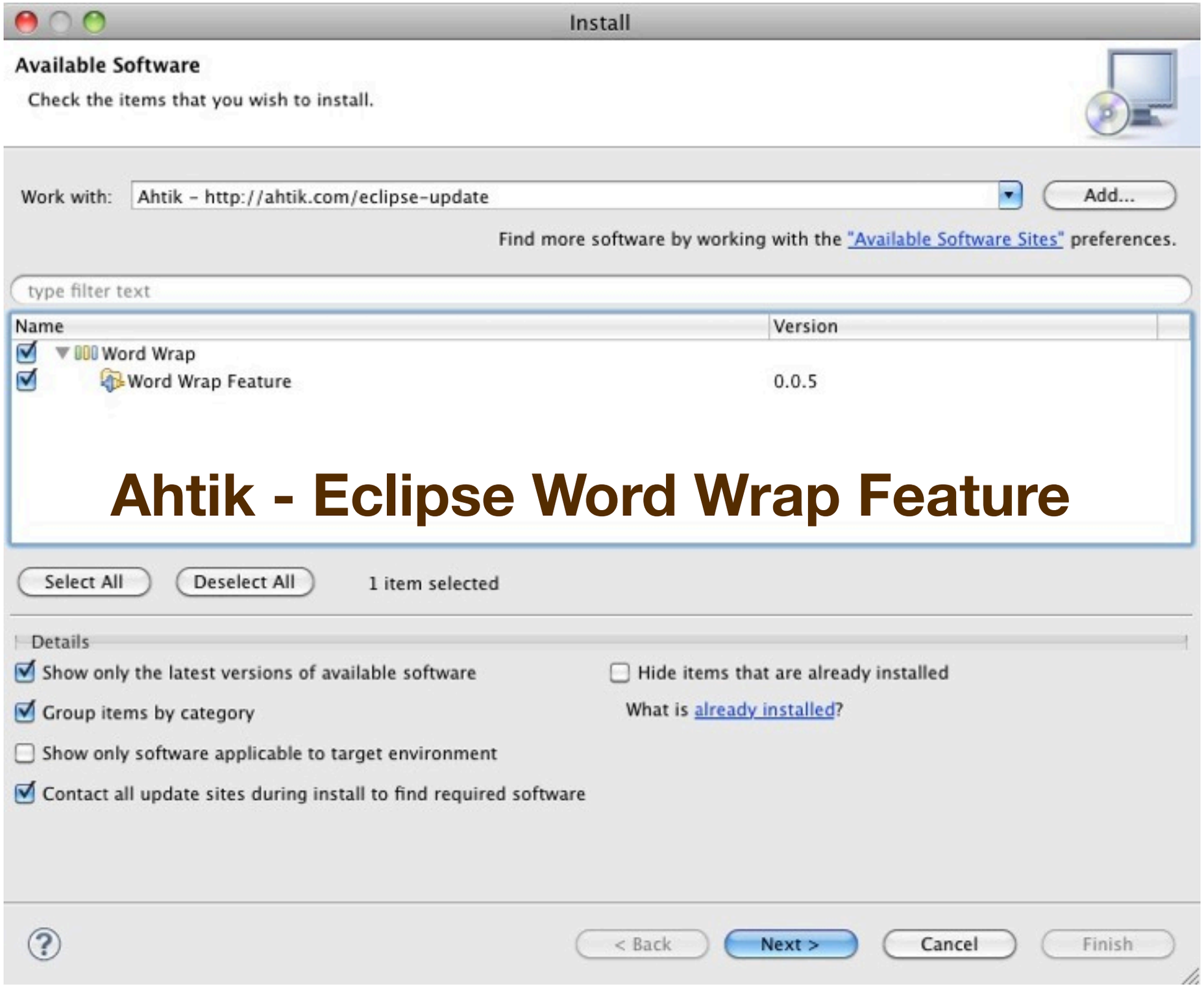
Preferences > General > Keys

Note: ⌘-shift-L displays list menu of available keyboard shortcuts.
Repeating this keystroke pops up the illustrated “Keys” preferences.

Back to Plugins…

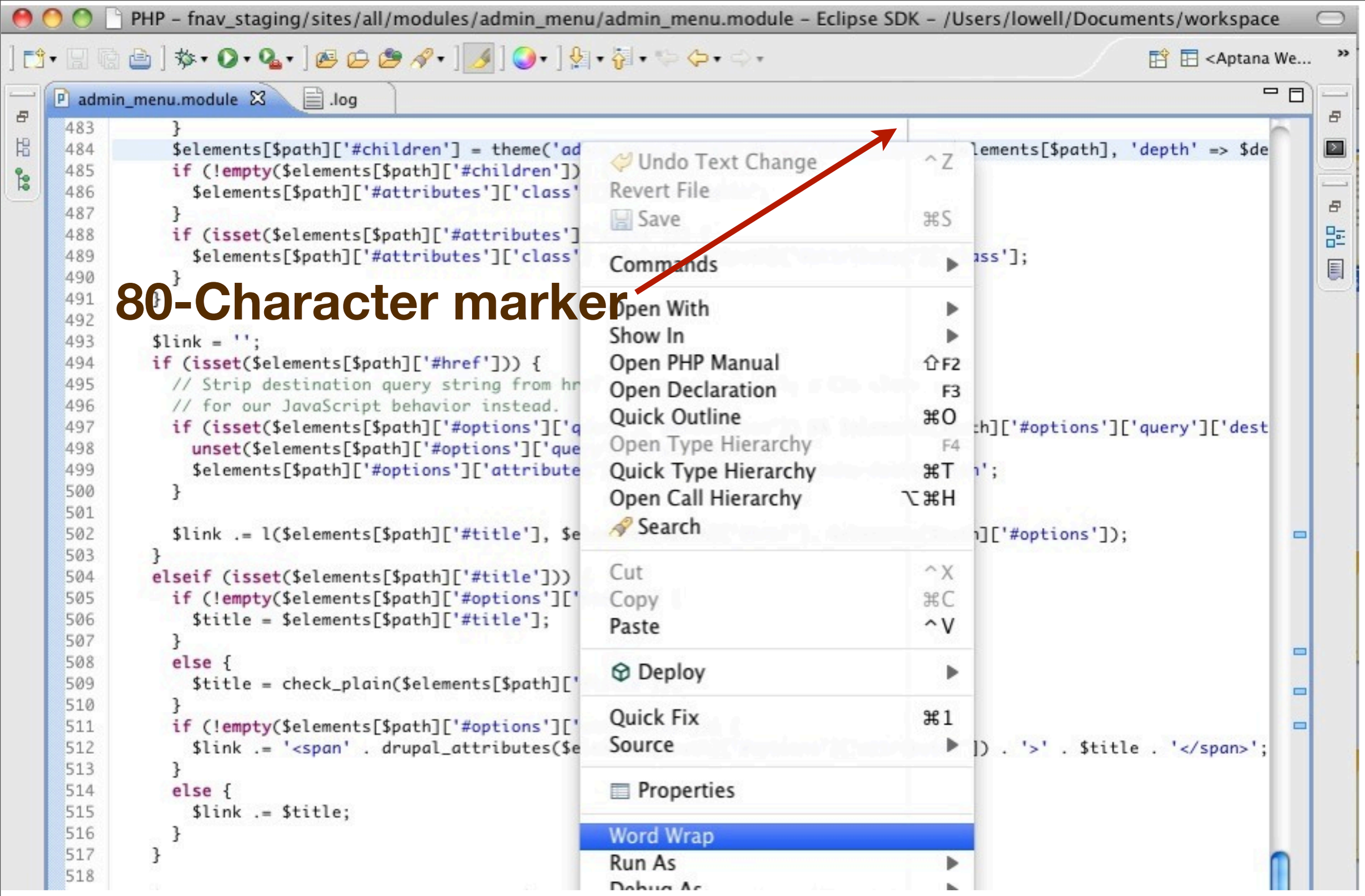
Ahtik - Eclipse Word Wrap

Note: This plugin is only for the PDT editor, the Aptana Studio 3 editor already includes a Word Wrap function. If you have both PDT and Aptana Studio 3 installed, you will see two different Word Wrap options in the contextual menu, even though only one of them is applicable to the editor you are currently using.



Name: Ahtik

Location: http://ahtik.com.eclipse-update



Word wrap (OFF)

PHP – fnav_staging/sites/all/modules/admin_menu/admin_menu.module – Eclipse SDK – ...

admin_menu.module | .log

```
482       $elements[$path]['#sorted'] = TRUE;
483     }
484     $elements[$path]['#children'] = theme('admin_menu_links', array('elements'
485 => $elements[$path], 'depth' => $depth_child));
486     if (!empty($elements[$path]['#children'])) {
487       $elements[$path]['#attributes']['class'][] = 'expandable';
488     }
489     if (isset($elements[$path]['#attributes']['class'])) {
490       $elements[$path]['#attributes']['class'] = $elements[$path]['#attributes']
491 ['class'];
492     }
493   }
494
495   $link = '';
496   if (isset($elements[$path]['#href'])) {
497     // Strip destination query string from href attribute and apply a CSS class
498     // for our JavaScript behavior instead.
499     if (isset($elements[$path]['#options']['query']['destination']) && $elements
500 [$path]['#options']['query']['destination'] == $destination) {
501       unset($elements[$path]['#options']['query']['destination']);
502       $elements[$path]['#options']['attributes']['class'][] = 'admin-menu-
503 destination';
504     }
505
506     $link .= l($elements[$path]['#title'], $elements[$path]['#href'], $elements
507 [$path]['#options']);
508   }
509   elseif (isset($elements[$path]['#title'])) {
510     if (!empty($elements[$path]['#options']['html'])) {
511       $title = $elements[$path]['#title'];
512     }
513     else {
514       $title = check_plain($elements[$path]['#title']);
```

80-Character marker

Word wrap (ON)

```
483       }
484       $elements[$path]['#children'] = theme('
485       if (!empty($elements[$path]['#children'
486         $elements[$path]['#attributes']['clas
487       }
488       if (isset($elements[$path]['#attributes
489         $elements[$path]['#attributes']['clas
490       }
491     }
492
493     $link = '';
494     if (isset($elements[$path]['#href'])) {
495       // Strip destination query string from
496       // for our JavaScript behavior instead.
497       if (isset($elements[$path]['#options'][
498         unset($elements[$path]['#options']['d
499         $elements[$path]['#options']['attribu
500       }
501
502       $link .= l($elements[$path]['#title'],
503     }
504     elseif (isset($elements[$path]['#title'])
505       if (!empty($elements[$path]['#options']
506         $title = $elements[$path]['#title'];
507       }
508       else {
509         $title = check_plain($elements[$path]
510       }
```

```
483       }
484       $elements[$path]['#children'] = theme('admin_menu_links', array('elements'
485 => $elements[$path], 'depth' => $depth_child));
486       if (!empty($elements[$path]['#children'])) {
487         $elements[$path]['#attributes']['class'][] = 'expandable';
488       }
489       if (isset($elements[$path]['#attributes']['class'])) {
490         $elements[$path]['#attributes']['class'] = $elements[$path]['#attributes']
491 ['class'];
492       }
493     }
494
495     $link = '';
496     if (isset($elements[$path]['#href'])) {
497       // Strip destination query string from href attribute and apply a CSS class
498       // for our JavaScript behavior instead.
499       if (isset($elements[$path]['#options']['query']['destination']) && $elements
500 [$path]['#options']['query']['destination'] == $destination) {
501         unset($elements[$path]['#options']['query']['destination']);
502         $elements[$path]['#options']['attributes']['class'][] = 'admin-menu-
503 destination';
504       }
505
506       $link .= l($elements[$path]['#title'], $elements[$path]['#href'], $elements
507 [$path]['#options']);
508     }
509     elseif (isset($elements[$path]['#title'])) {
510       if (!empty($elements[$path]['#options']['html'])) {
```

Word wrap (OFF)

Word wrap (ON)

Note: Line numbers ***not*** accurate with word wrap on

(Turn word wrap back off to see correct line numbers.)

admin_menu.module — admin_menu

× admin_menu.module

```
464   $depth_child = $depth + 1;
465   foreach (element_children($elements, TRUE) as $path) {
466     // Early-return nothing if user does not have access.
467     if (isset($elements[$path]['#access']) && !$elements[$path]['#access']) {
468       continue;
469     }
470     $elements[$path] += array(
471       '#attributes' => array(),
472       '#options' => array(),
473     );
474     // Render children to determine whether this link is expandable.
475     if (isset($elements[$path]['#type']) || isset($elements[$path]['#theme'])) {
476       $elements[$path]['#admin_menu_depth'] = $depth_child;
477       $elements[$path]['#children'] = drupal_render($elements[$path]);
478     }
479     else {
480       // Inherit #sorted flag from parent item.
481       if (isset($elements['#sorted'])) {
482         $elements[$path]['#sorted'] = TRUE;
483       }
484       $elements[$path]['#children'] = theme('admin_menu_links', array('elements' =>
    $elements[$path], 'depth' => $depth_child));
485       if (!empty($elements[$path]['#children'])) {
486         $elements[$path]['#attributes']['class'][] = 'expandable';
487       }
488       if (isset($elements[$path]['#attributes']['class'])) {
489         $elements[$path]['#attributes']['class'] =
    $elements[$path]['#attributes']['class'];
490       }
491     }
492
493     $link = '';
494     if (isset($elements[$path]['#href'])) {
495       // Strip destination query string from href attribute and apply a CSS class
496       // for our JavaScript behavior instead.
497       if (isset($elements[$path]['#options']['query']['destination']) &&
    $elements[$path]['#options']['query']['destination'] == $destination) {
498         unset($elements[$path]['#options']['query']['destination']);
499         $elements[$path]['#options']['attributes']['class'][] = 'admin-menu-destination';
500       }
501
```

- admin_menu
  - admin_devel
  - admin_menu-rtl.css
  - admin_menu.api.php
  - admin_menu.color.css
  - admin_menu.css
  - admin_menu.inc
  - admin_menu.info
  - admin_menu.install
  - admin_menu.js
  - admin_menu.map.inc
  - admin_menu.module
  - admin_menu.uid1.css
  - admin_menu_toolbar
  - admin_views
  - CHANGELOG.txt
  - images
  - LICENSE.txt
  - README.txt
  - tests
  - translations

Comparison: Textmate with “Soft wrap” feature on.

Line: 484 Column: 1 HTML Soft Tabs: 2 theme_admin_menu_links

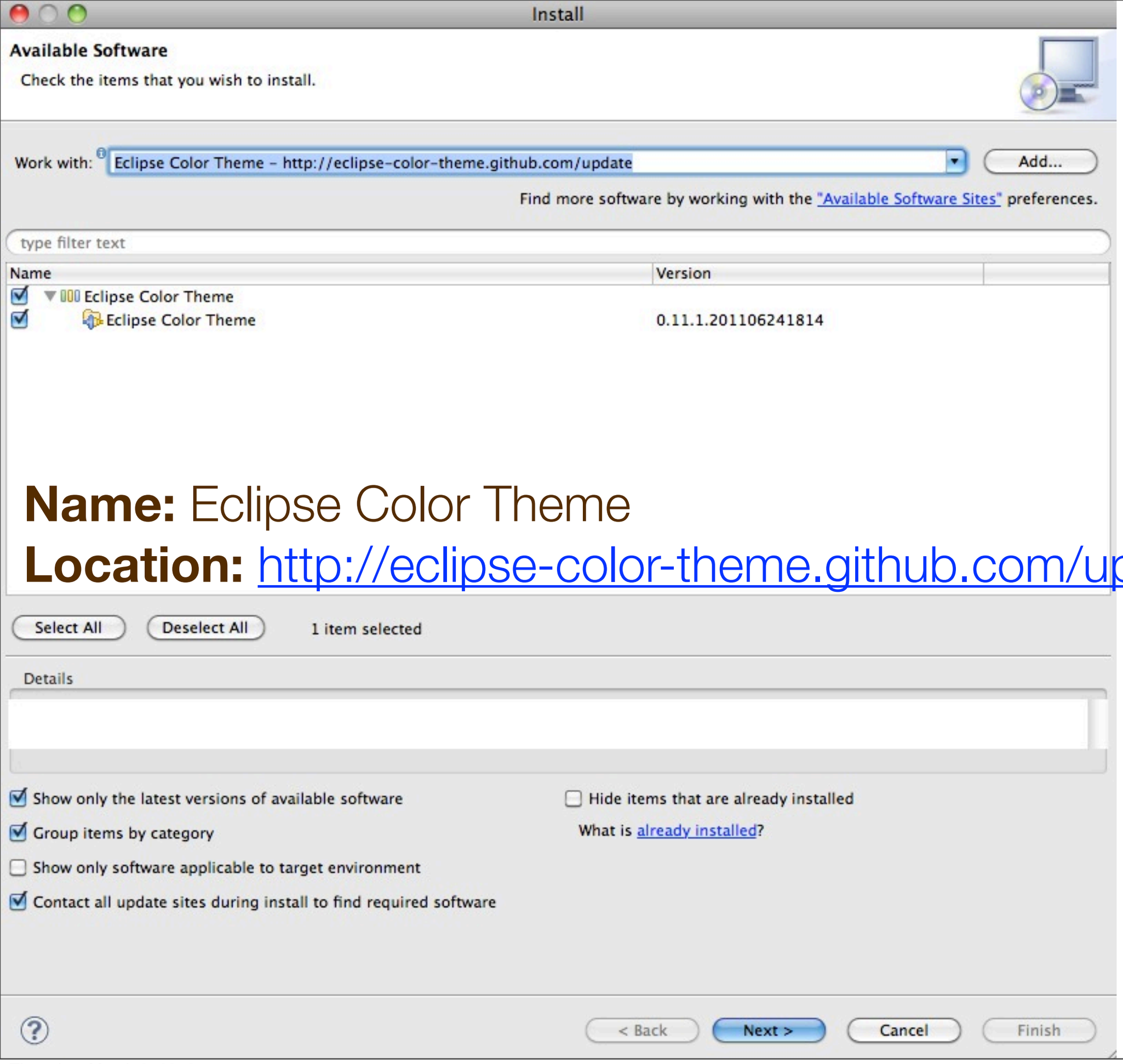
admin_menu.module | admin_menu.js

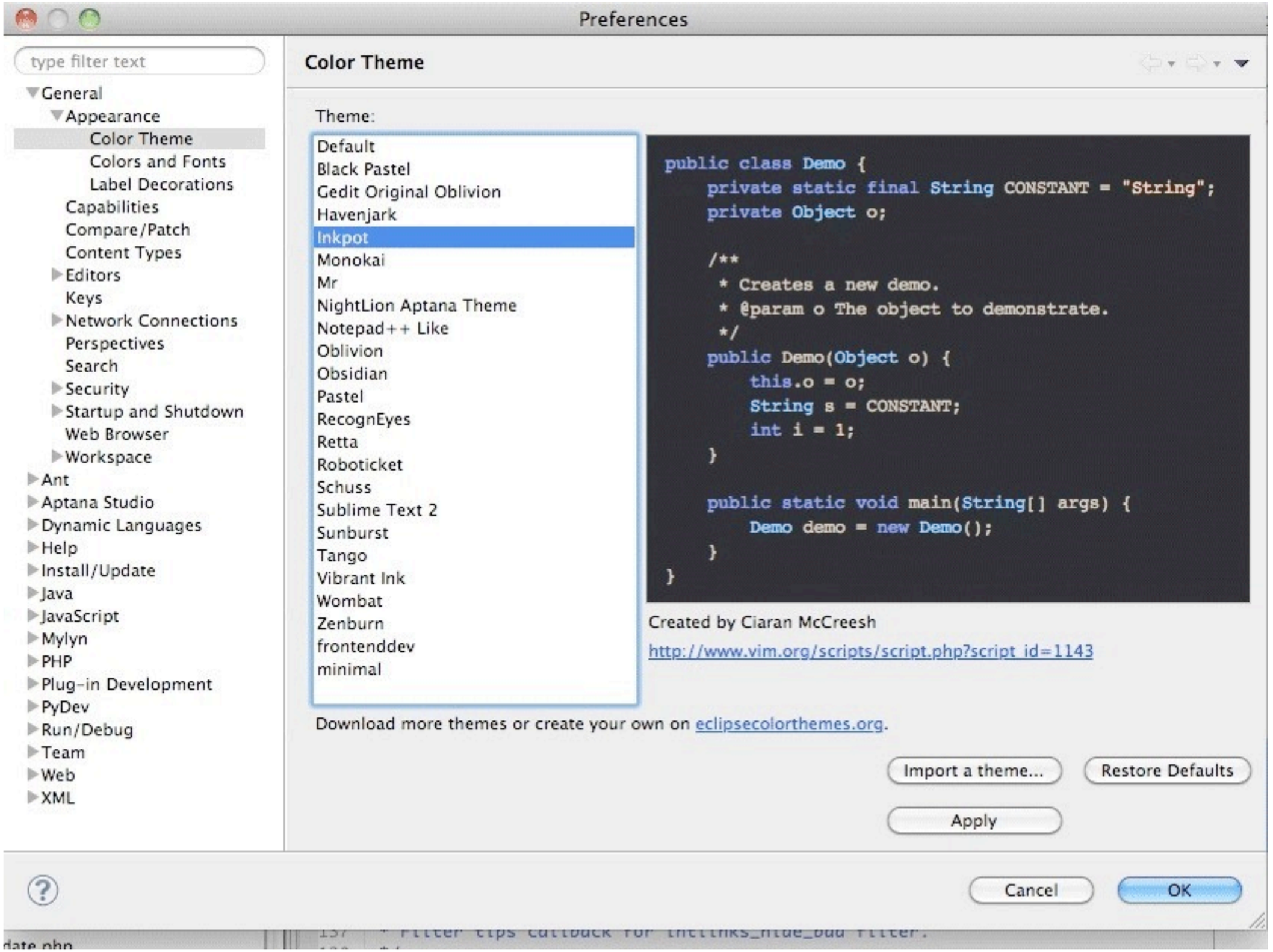
```
482         $elements[$path]['#sorted'] = TRUE;
483       }
484       $elements[$path]['#children'] = theme('admin_menu_links', array('elements'
=> $elements[$path], 'depth' => $depth_child));
485       if (!empty($elements[$path]['#children'])) {
486         $elements[$path]['#attributes']['class'][] = 'expandable';
487       }
488       if (isset($elements[$path]['#attributes']['class'])) {
489         $elements[$path]['#attributes']['class'] = $elements[$path]
['#attributes']['class'];
490       }
491     }
492
493     $link = '';
494     if (isset($elements[$path]['#href'])) {
495       // Strip destination query string from href attribute and apply a CSS
class
496       // for our JavaScript behavior instead.
497       if (isset($elements[$path]['#options']['query']['destination']) &&
$elements[$path]['#options']['query']['destination'] == $destination) {
498         unset($elements[$path]['#options']['query']['destination']);
499         $elements[$path]['#options']['attributes']['class'][] = 'admin-menu-
destination';
500       }
```

Note: With Aptana Studio 3 Eclipse plugin (at least when using Studio 3's "PHP Source" editor), soft-wrapped lines are correctly renumbered if you drag a view wider or narrower (as illustrated — Aptana Studio info later).

Back to Plugins…

Eclipse Color Theme


Install
Available Software
Check the items that you wish to install.
Work with:
Eclipse Color Theme - http://eclipse-color-theme.github.com/update
Add...
Find more software by working with the "Available Software Sites" preferences.
type filter text
Name
Version
Eclipse Color Theme
Eclipse Color Theme
0.11.1.201106241814
Name: Eclipse Color Theme
Location: http://eclipse-color-theme.github.com/update
Select All
Deselect All
1 item selected
Details
Show only the latest versions of available software
Group items by category
Show only software applicable to target environment
Contact all update sites during install to find required software
Hide items that are already installed
What is already installed?
< Back
Next >
Cancel
Finish



Preferences > General > Appearance > Color Theme

I don't mind the default theme, but maybe *you* want a different one.

Another very popular plugin…

Aptana Studio as Eclipse plugin

Download Aptana Studio 3.0.8

Aptana Studio 3.0.8 is our code base and complete environment that includes extensive capabilities to build Ruby and Rails, PHP, and Python applications, along with complete HTML, CSS and JavaScript editing.

You are about to download:

Aptana Studio 3.0.8
Mac OS X, Intel

Standalone Version Eclipse Plug-in Version

System Requirements
Eclipse 3.5 or better

Getting Started Guide

Release Notes

Please provide us your name and email address so that we can get a better sense for who uses our product. We may use this email to occasionally communicate product and company news.

Name

Lowell Montgomery

Email Address

lowellmontgomery@gmail.com

DOWNLOAD
APTANA STUDIO 3

http://www.aptana.com/products/studio3/download

Eclipse Plug-in Installation

Installing via Eclipse

Please copy the following Update Site URL to your clipboard and then follow the steps listed below to add this URL to your **Available Software Sites** list. Attempting to access this URL using your web browser will return an Access Denied error.

http://download.aptana.com/studio3/plugin/install

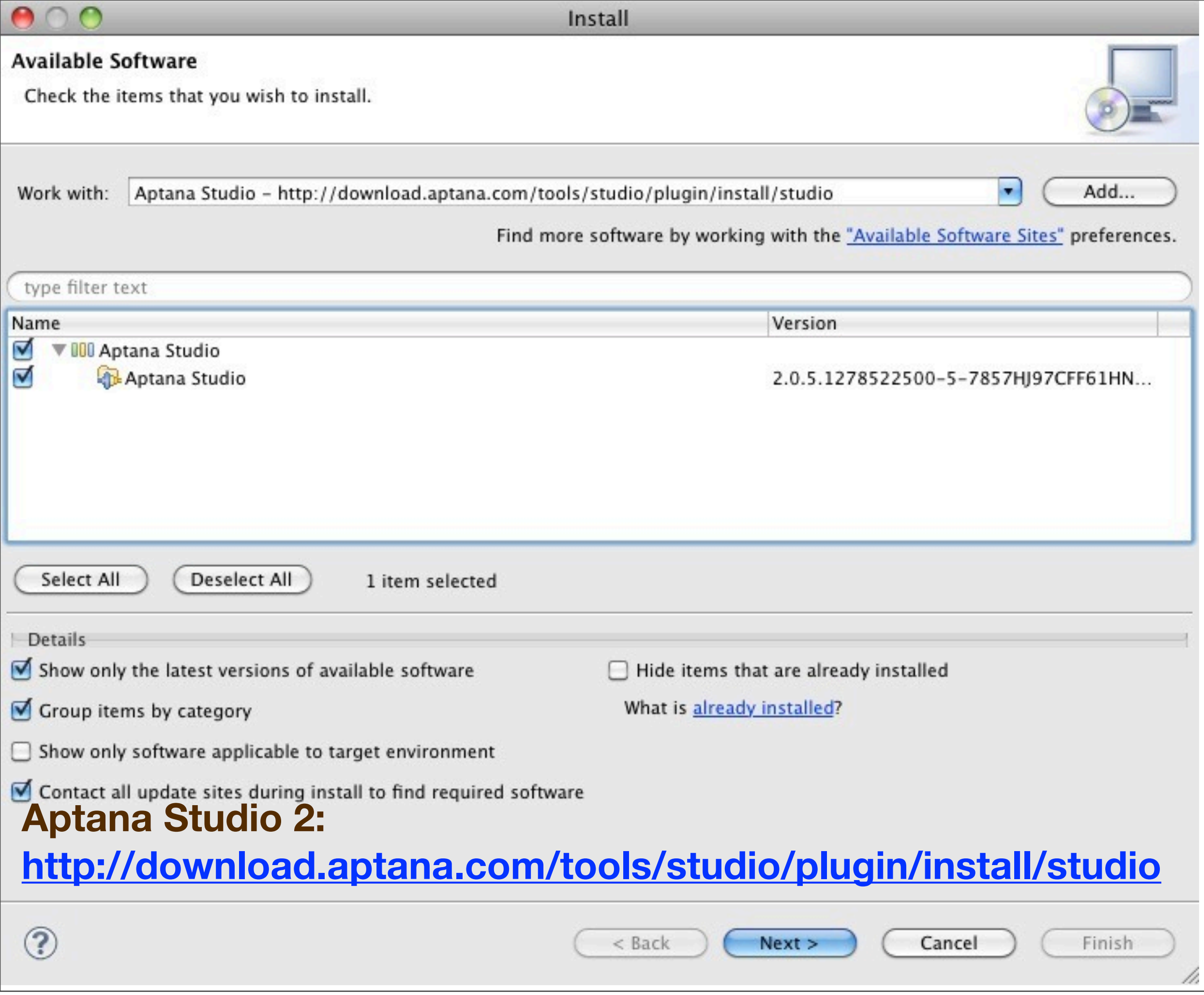
1. From the Help menu, select **Install New Software**... to open the Install New Software dialog.
2. Paste the URL for the update site into the **Work With** text box, and hit the **Enter** (or **Return**) key.
3. In the populated table below, check the box next to the name of the plug-in, and then click the **Next** button.
4. Click the **Next** button to go to the license page.
5. Choose the option to accept the terms of the license agreement, and click the Finish button.
6. You may need to restart Eclipse to continue.

Welcome!

If you are reading this, we'd like to thank you for your interest Aptana Studio.
Please read through this guide carefully.

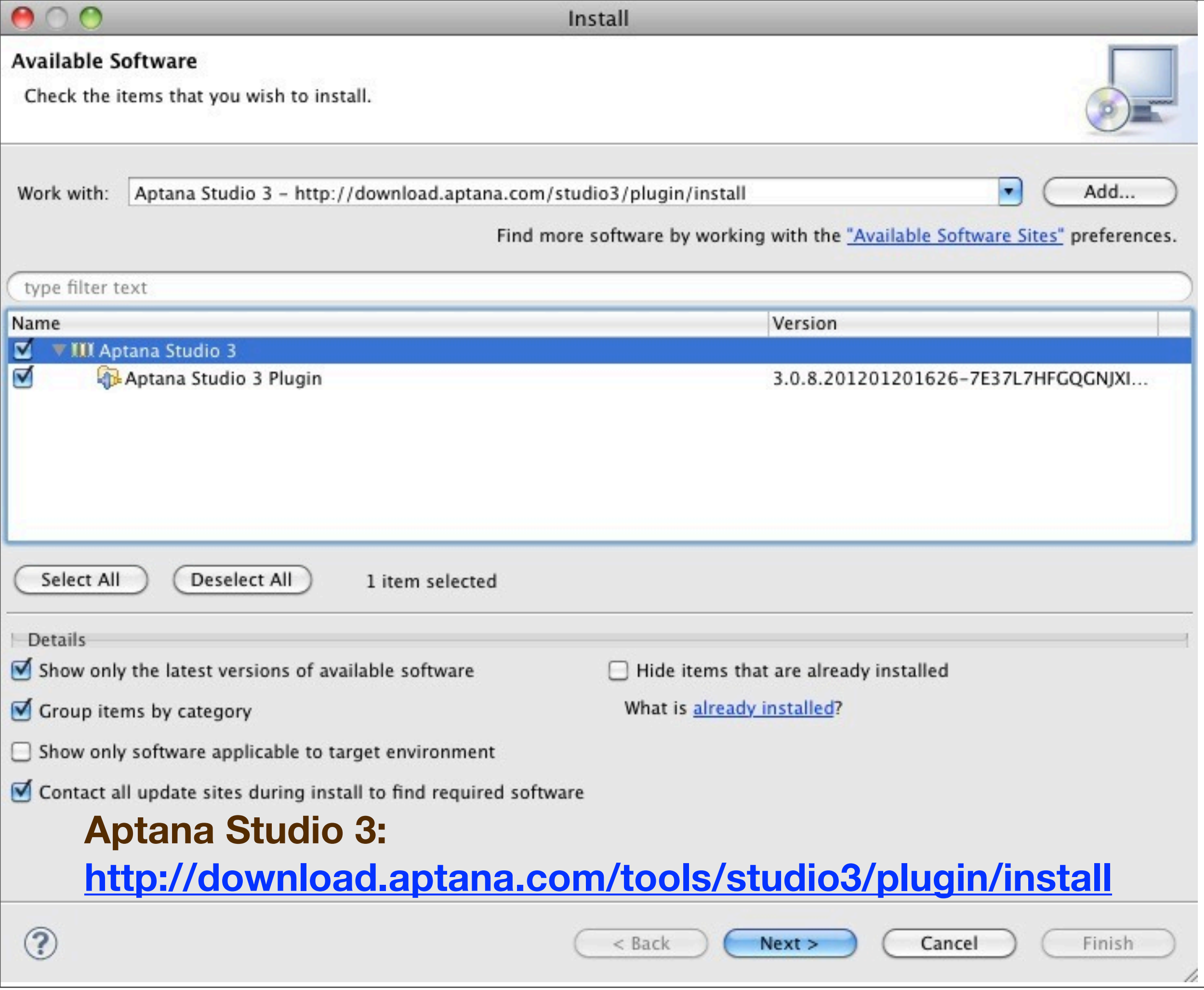
For Aptana Studio 2 Upgraders

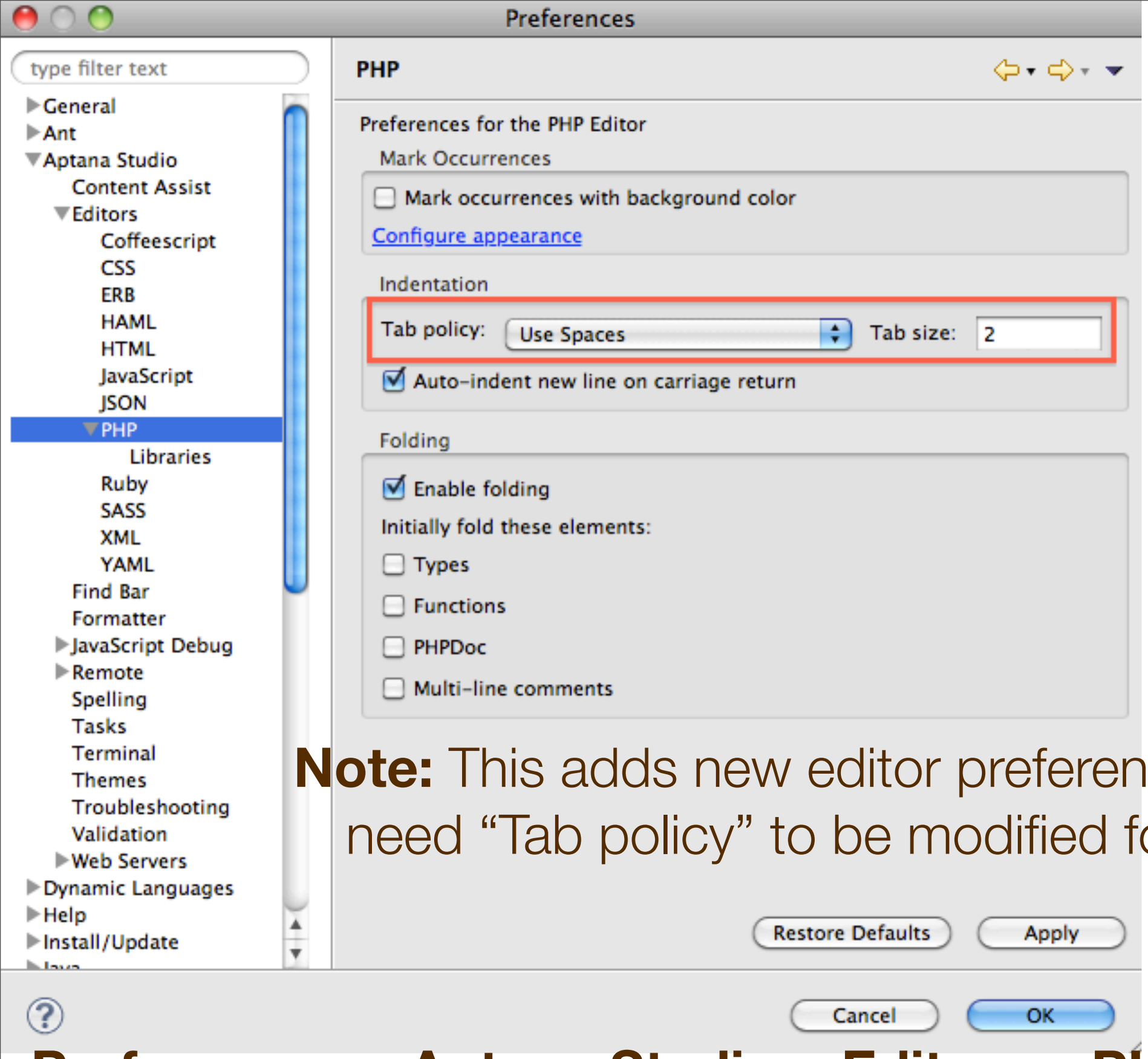
Aptana Studio 3 is intended to be completely independent from Aptana Studio 2. You can install both Studio 2 and Studio 3 separately and run them both on the same machine, since they will use different workspace directories. If you wish to



Aptana Studio 2:

http://download.aptana.com/tools/studio/plugin/install/studio

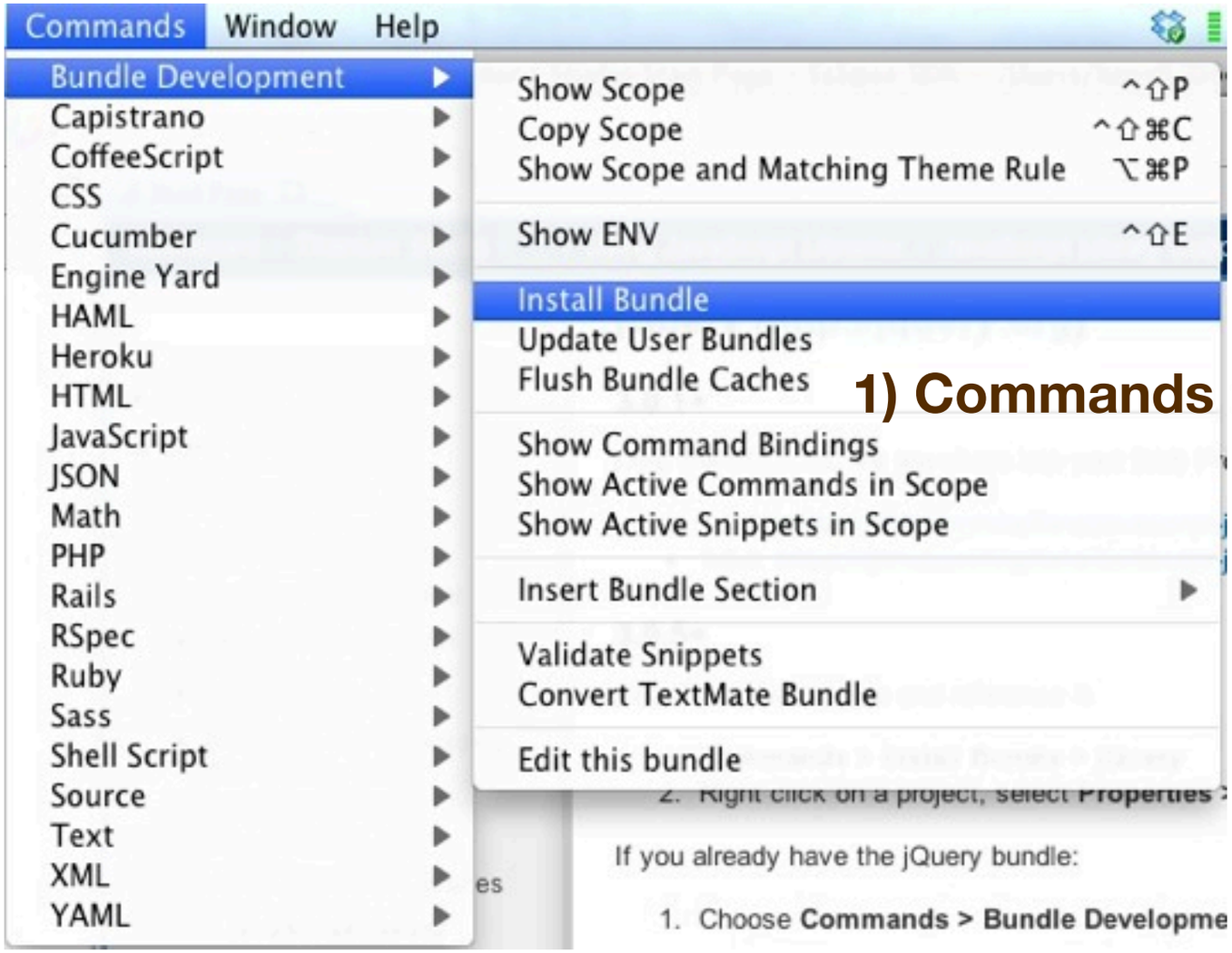

Install
Available Software
Check the items that you wish to install.
Work with:
Aptana Studio 3 - http://download.aptana.com/studio3/plugin/install
Add...
Find more software by working with the "Available Software Sites" preferences.
type filter text
Name
Version
Aptana Studio 3
Aptana Studio 3 Plugin
3.0.8.201201201626-7E37L7HFGQGNJXI...
Select All
Deselect All
1 item selected
Details
Show only the latest versions of available software
Hide items that are already installed
Group items by category
What is already installed?
Show only software applicable to target environment
Contact all update sites during install to find required software
Aptana Studio 3:
http://download.aptana.com/tools/studio3/plugin/install
< Back
Next >
Cancel
Finish

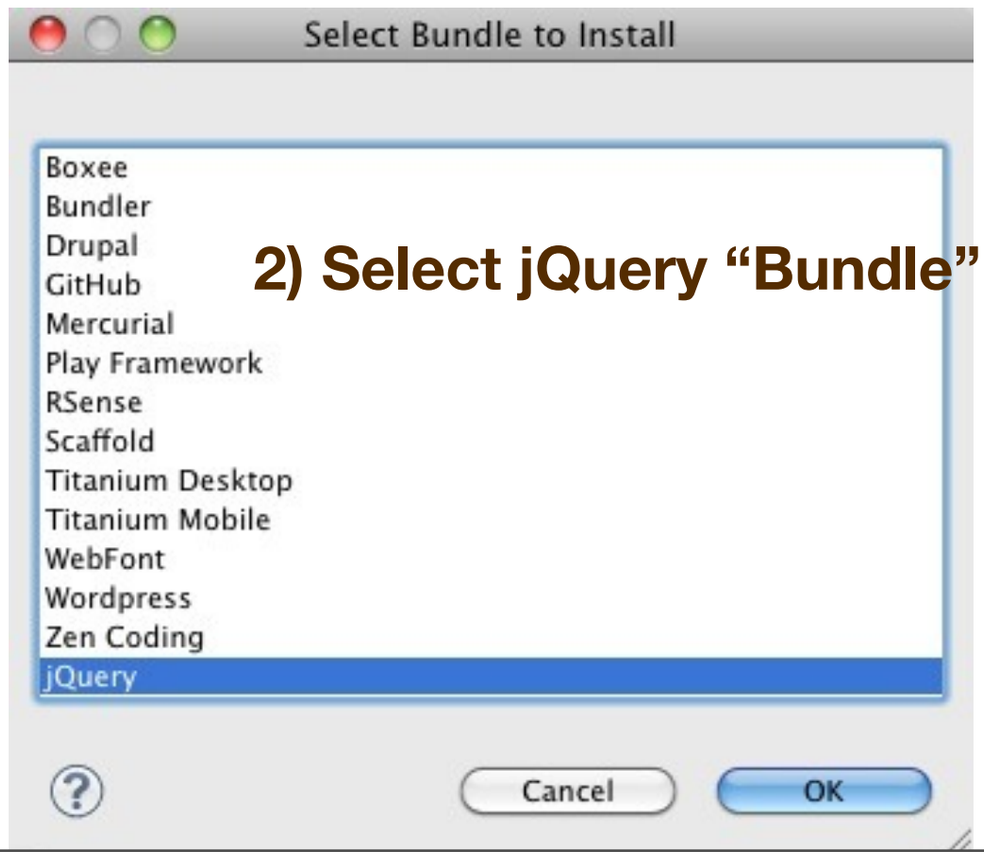


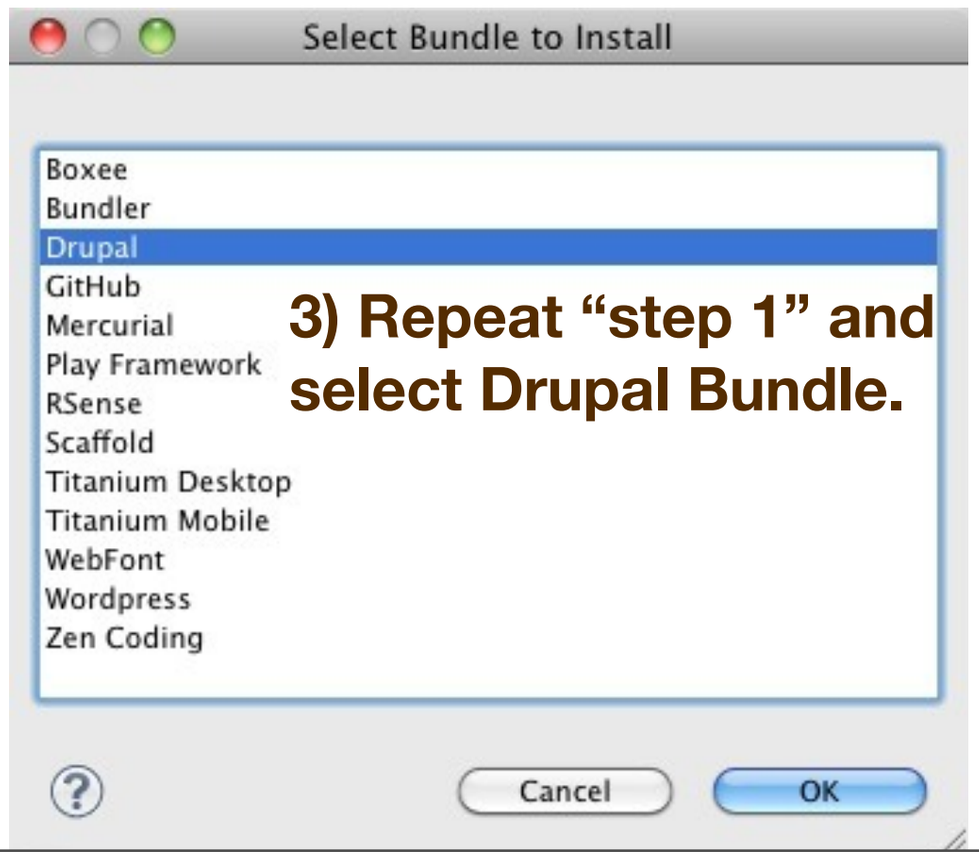
Note: This adds new editor preferences which will need “Tab policy” to be modified for spaces/2

Preferences > Aptana Studio > Editors > PHP

(and others under **Editors**)

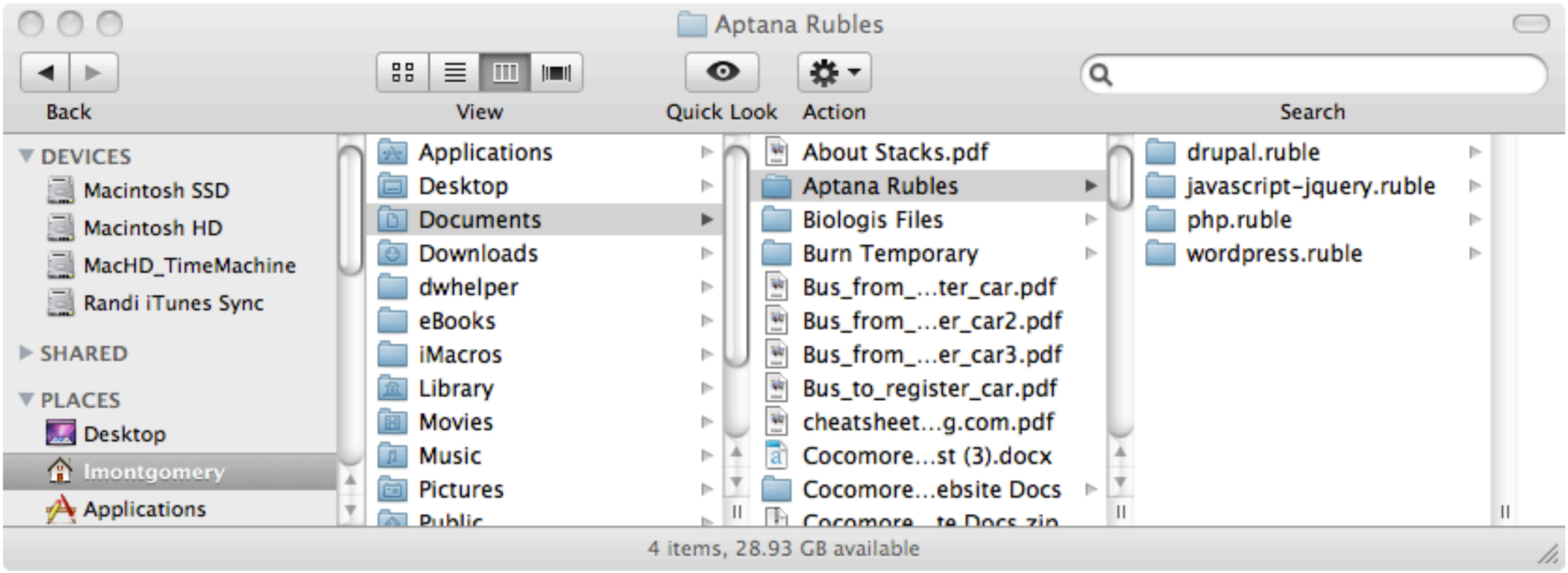

Commands
Window
Help
Bundle Development
Capistrano
CoffeeScript
CSS
Cucumber
Engine Yard
HAML
Heroku
HTML
JavaScript
JSON
Math
PHP
Rails
RSpec
Ruby
Sass
Shell Script
Source
Text
XML
YAML
Show Scope ^⇧P
Copy Scope ^⇧⌘C
Show Scope and Matching Theme Rule ⌥⌘P
Show ENV ^⇧E
Install Bundle
Update User Bundles
Flush Bundle Caches
Show Command Bindings
Show Active Commands in Scope
Show Active Snippets in Scope
Insert Bundle Section
Validate Snippets
Convert TextMate Bundle
Edit this bundle
1) Commands > Bundle Development > Install Bundle
If you already have the jQuery bundle:
1. Choose Commands > Bundle Developme


Select Bundle to Install
Boxee
Bundler
Drupal
GitHub
Mercurial
Play Framework
RSense
Scaffold
Titanium Desktop
Titanium Mobile
WebFont
Wordpress
Zen Coding
jQuery
2) Select jQuery “Bundle”
Cancel
OK

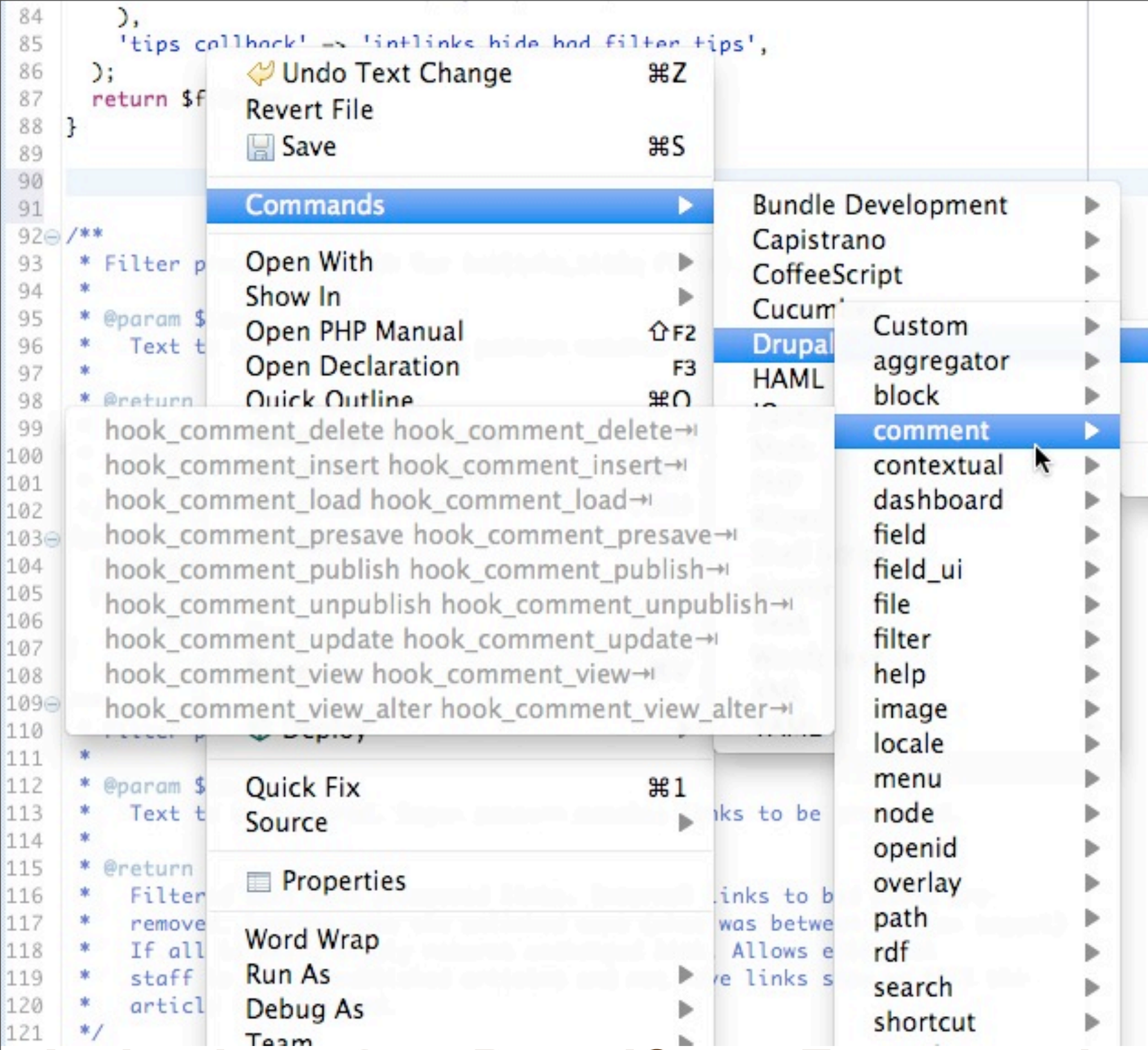

Select Bundle to Install
Boxee
Bundler
Drupal
GitHub
Mercurial
Play Framework
RSense
Scaffold
Titanium Desktop
Titanium Mobile
WebFont
Wordpress
Zen Coding
3) Repeat “step 1” and select Drupal Bundle.
Cancel
OK

Where to find the “Rubles” (bundles) in your file system:

Mac/Linux: ~/Documents/Aptana Rubles



Windows: Aptana Rubles directory in your user folder.



At the time of my DrupalCamp Essen session this had me stumped.

It turned out that the hook and theme function templates found in the Commands menu (provided by Aptana-installed "bundles", aka "Rubles") only work when active in the "PHP Source Editor", which is provided by the Aptana plugin. Bundle-added commands are "grayed out" when active in the PDT-supplied "PHP Editor" view, but it's not easy to tell which editor is in use. For easiest use of Aptana Studio's bundles, you may wish to uninstall PDT and the Drupal PDT plugin, then assign the "PHP Source Editor" to `.module`, `.install`, `.test`, `profile`, `.engine`, and `.test` files.

DrupalCamp
ESSEN 2012

Drupal development with the Eclipse IDE

Lowell Montgomery, Cocomore AG / Freelancer

cocomore
drupal.cocomore.com/blog

Keep an eye on the Cocomore Drupal Blog (http://drupal.cocomore.com/blog) for more tips to improve productivity in Eclipse / Aptana and for other useful Drupal-related articles.

An article expanding on this presentation has now been posted:
http://drupal.cocomore.com/blog/using-eclipse-pdt-drupal-development