



Eclipse PHP Development Tools 2.2 Release Review

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Planned Review Date: Helios release review
Communication Channel: pdt-dev@eclipse.org

Introduction



- The PDT project provides a PHP Development Tools framework for the Eclipse platform. This project encompasses all development components necessary to develop PHP and facilitate extensibility. It leverages the existing Web Tools Project (WTP) and Dynamic Languages Toolkit (DLTK) in providing developers with PHP capabilities.
- Principles:
 - Intuitive and easy to learn
 - Seamless integration with other Eclipse projects
 - Adherence to Eclipse standards
 - Extensibility
 - Continuous support of PHP development

New Features



- Quality
 - [448 bugs \(link\)](#)
- Features
 - [49 features \(link\)](#)
 - New templated 'Content Assist'
 - New advanced editor syntax coloring scheme
 - New show inherited members in quick outline view
 - New decorated information box
 - New drag and drop in PHP/JavaScript editors
 - New powerful PHP search dialog

Eclipse Helios – PHP Development Tools



New advanced editor syntax coloring scheme

```
13         array ("Francois", "12 Bd. de Grenelle, Paris
14         array ("Klaus", "312 Beethoven St., Frankfurt
15         array ("Shirly", "72 Independence St., Tel Av
16         array ("Bill", "127 Maine St., San Francisco,
17     );
18
19 /**
20  * @return
21  * @param int $i
22  * @desc Returns 'white' for even numbers and 'yellow
23  */
24 function row_color($i)
25 {
26     $bgcolor1 = "white";
27     $bgcolor2 = "yellow";
28
```

New drag and drop in PHP/JavaScript editors

New templated 'Content Assist'

```
5
6 array_combine($keys, $values)
7
```

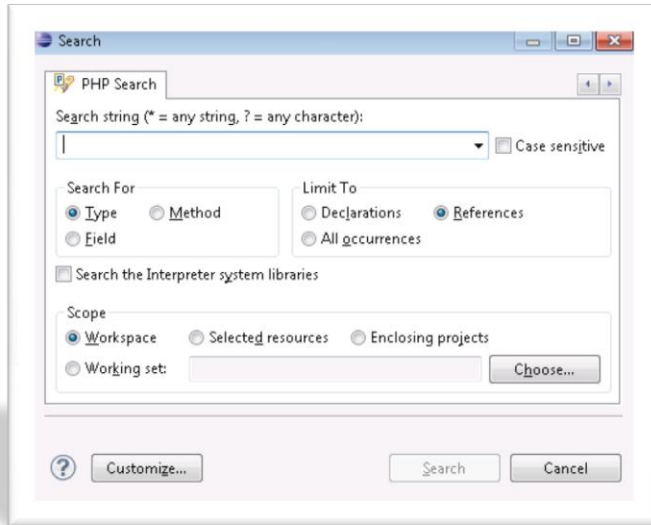
```
<?php
$releasetag = "M7";
$version = array ("Windows 32-bit" => "win32.zip", "Linux >
$sizes = array ("Windows 32-bit" => "141M", "Linux x86/G1

print '<a href="http://www.eclipse.org/pdt/downloads/?show
```

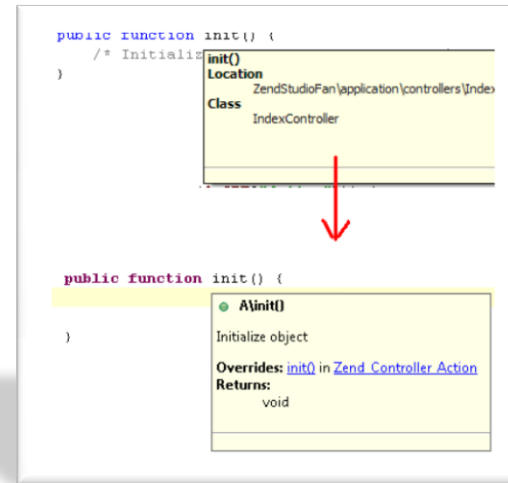
Eclipse Helios – PHP Development Tools



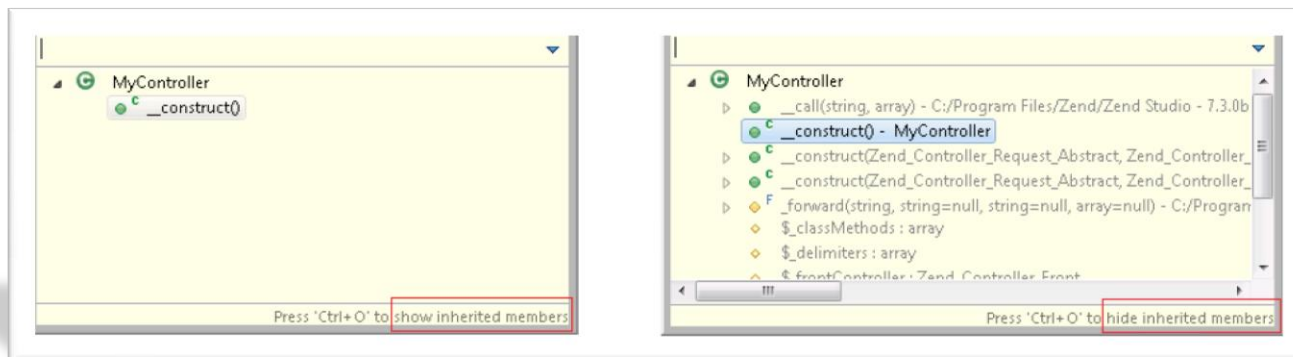
New powerful PHP search dialog



New decorated information box



New show inherited members in quick outline view



What users say...



Testing Helios now, and **code hints are extremely fast.**

No delays, lags whatsoever. They appear immediately after hitting the 2nd or 3rd letter.

http://www.eclipse.org/forums/index.php?t=review&goto=537390#msg_537390

Eclipse PDT 2.2RC2 is **incredible fast** and now looks like Java. **I'm in love.**

<http://twitter.com/Entropy82/statuses/15247269314>

Just installed eclipse Helios (RC2) for php developers. Looks very nice! Maybe **switching back to eclipse after few months with Aptana...**

<http://twitter.com/wilei/statuses/15268105650>

The last Eclipse PDT version appears to be a good one.

First, **it loads faster, and does not seem to have the usual latency on frequent tasks**, such as autocompletion, code verification, etc... CodeSniffer is really really faster.

<http://cafe.softcity.com/article/view/1UTOxEzN/eclipse-pdt-2-2-faster-and-lighter>

eclipse helios with #PDT 2.2 RC1 **is ultra fast**, the documentation feature is really nice, **awesome PHP Search, looks all quite good**

<http://twitter.com/ridculy/statuses/15653643187>

Non-code aspects (Unchanged since 2.1)



- Localization/externalization
 - PDT is available for translation via Eclipse Babel.
- User documentation
 - A webinar on PDT 2.2 will be available from Zend site
 - The web site has been restructured for easier access to Downloads, Support and Getting Started documentation.
- Developer documentation
 - Wiki-based Contributors Guide
 - Wiki-based Integrators Guide

APIs (Unchanged since 2.1)



- No breaking API changes from 2.1
- Documentation added - http://wiki.eclipse.org/Extending_PDT_2.2
- **org.eclipse.php.core**
 - goalEvaluatorFactoriesPHP - Evaluator Factory
 - PhpSourceElementRequestors PHP Build Visitor
- **org.eclipse.php.ui**
 - ActionFilterContributors – PHP Action Filter Contributor
 - FoldingStructureProviders PHP Folding Structure Provider
 - PhpActionDelegator PHP Action Delegator
 - PhpEditorTextHovers PHP Editor Text Hover
 - PhpElementFilters PHP Element Filter
 - PhpFormatterPrefBlock PHP Formatter Preferences Block
 - PhpFormatterProcessor PHP Formatter Processor

APIs (Unchanged since 2.1)



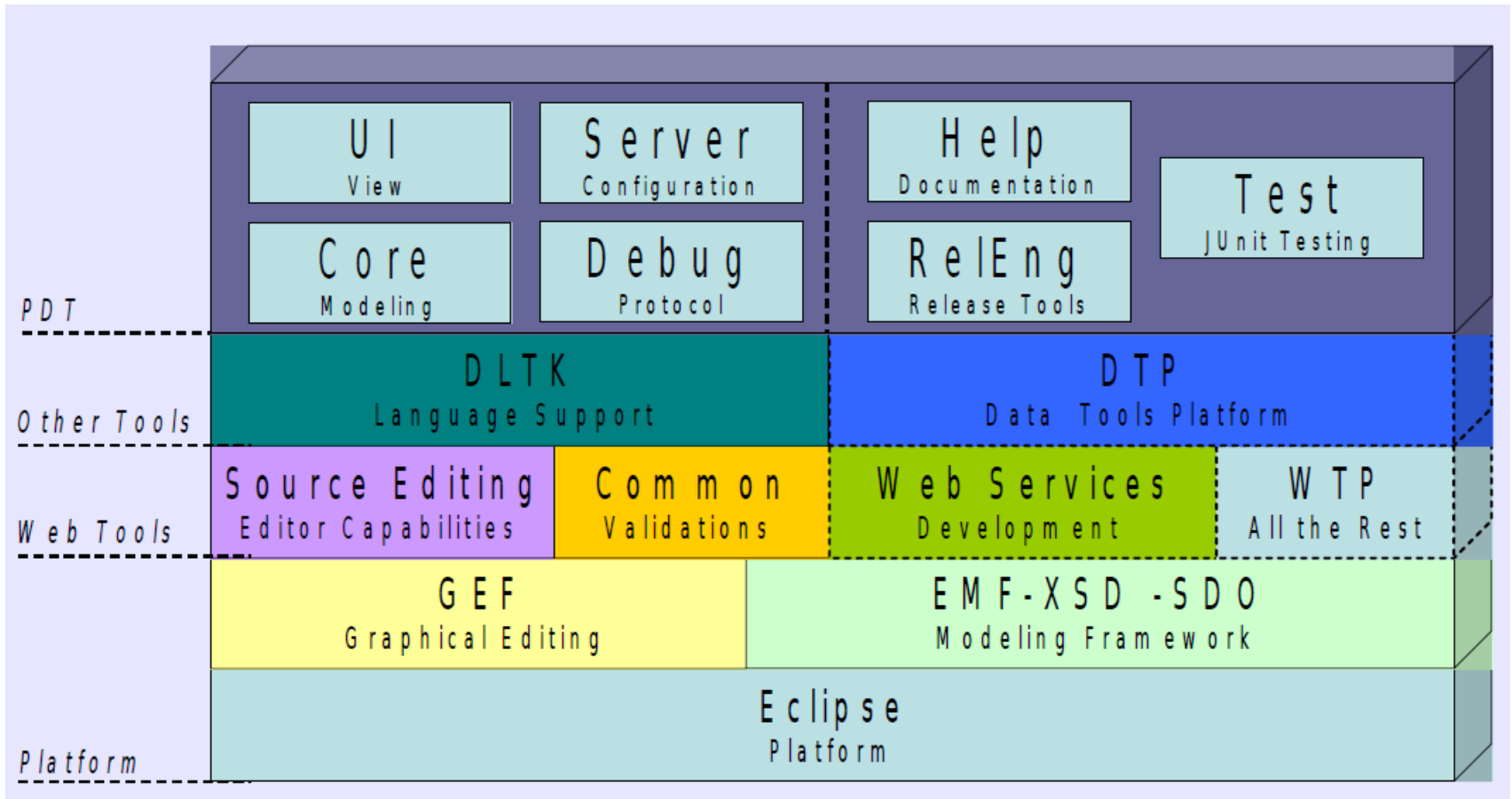
- **org.eclipse.php.ui**
 - PhpHyperlinkDetector PHP Hyperlink Detector
 - PhpManualSites PHP Manual URL
 - PhpPreferencePageBlocks PHP
 - Preferences Page Block PhpTreeContentProviders PHP Tree Content Provider
 - PhpTreeElementComparers PHP Tree Element Comparer
 - PhpWizardPages PHP Wizard Page
 - WizardAndCompositeFragments Wizard and Composite Fragments
 - QuickAssistProcessors Quick Assist Processor
 - QuickFixProcessors Quick Fix Processor
- **org.eclipse.php.debug.core**
- fileMapper
- pathEntryFilters

APIs (Unchanged since 2.1)



- **org.eclipse.php.debug.core**
 - phpDebuggers
 - phpDebugHandlers
 - phpDebugMessages
 - phpDebugParametersInitializer
 - phpDebugStepFilters
 - PhpExe
- org.eclipse.php.debug.ui
 - debugServerConnectionTest
 - launchConfigurationTabs
 - phpConsoleListeners
 - phpDebugModelPresentations

Architectural Issues



End-of-Life

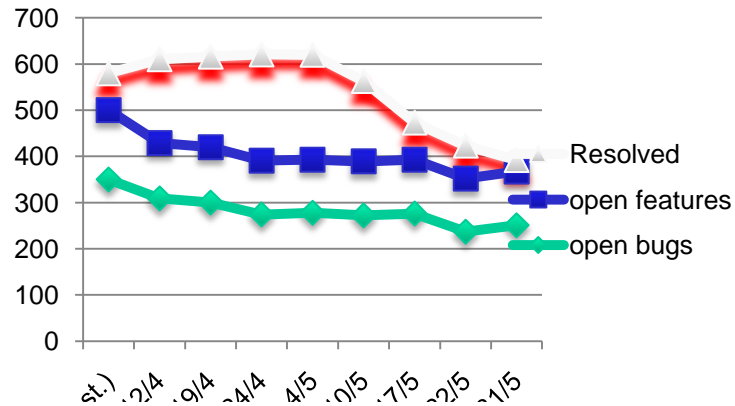


- No end of life since PDT 2.1 is declared

Bugzilla



Progress during the year



Current Status:

	critical	major	normal	minor	Enh.	Total
P1	4	14	35	2	3	58
P2	.	8	41	3	2	54
P3	2	11	116	16	113	258
P4	.	.	.	1	.	1
P5	1	1
Total	6	33	192	22	119	372

Standards (Unchanged since 3.1)



- PDT requires J2SE 1.5,
 - Key driver for using 1.5 was the benefits of generics-aware APIs
- Based on DLTK's standards, which are relatively similar to JDT's standards
- Code standards remain the same as those for the previous PDT 1.0 versions

UI Usability (Unchanged since 2.1)



- The original DLTK UI usability was maintained

Schedule



- Project plan: <http://www.eclipse.org/projects/project-plan.php?projectid=tools.pdt>

Release	Date	Platform Release	Notes
PDT 2.2	June 23, 2010	Eclipse 3.6	
PDT 2.2.1	September 25, 2010	Eclipse 3.6.1	Helios SR1
PDT 2.2.2	February 26, 2011	Eclipse 3.6.2	Helios SR2

Communities



- Committers
 - 2 new committers since June 2009
- New contributors
 - New contributions are provided by individuals

IP Log



- The IP Log is kept updated by committers as contributions are applied.
 - http://www.eclipse.org/projects/ip_log.php?projectid=tools.pdt

IP Issues



- None.

Thank You



- Many thanks to all involved in this, and previous, releases!