PHP Development Tools (PDT) 2.0 Release Review

Planned Review Date: January 14, 2009

Communication Channel: eclipse.tools.pdt

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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

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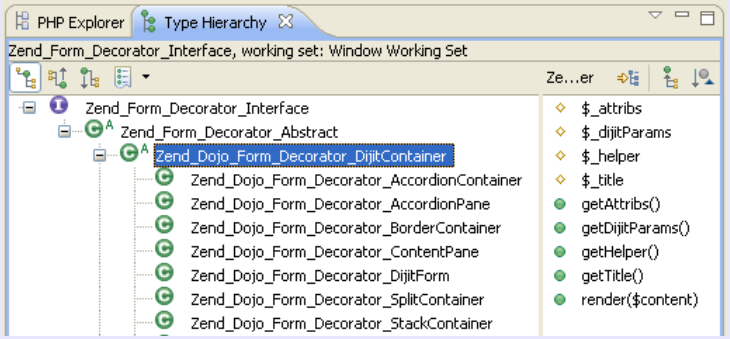
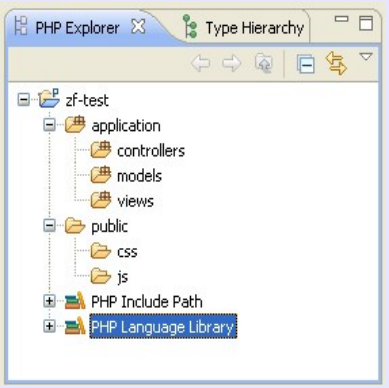
Features

- Based on Ganymede release
- Utilizes WTP and DLTK projects
- Lighter and Faster
- Mark Occurrences
- Override Indicators
- Type Hierarchy
- Improved Code Assist
- Build Path mechanism






```
public function writeDate($date)
{
    if ($date instanceof DateTime) {
        $dateString = $date->format('U') * 1000;
    } elseif ($date instanceof Zend_Date) {
        $dateString = $date->toString('U') * 1000;
    } else {
```

```
$server = new ZAS
```

Zend_Amf_Server
Zend_Amf_Server_Exception
Zend_Auth_Storage_Exception

Location
Server.php
Implements
Zend_Server_Interface

- http://www.eclipse.org/pdt/release-notes/pdt2_0.php

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Non-Code Aspects

- User documentation
  - Dedicated technical writer for the project
  - New features docs are updated
- Localization/externalization
  - A language pack is not available, but is planned for next release (2.1)
- Conferences
  - EclipseCon 2009 - http://www.eclipsecon.org/2009/sessions?id=240
  - EclipseCon 2008 - http://www.eclipsecon.org/2008/?page=sub/&id=17
- Tutorials - http://wiki.eclipse.org/PDT/TUTORIALS
- Articles - http://www.eclipse.org/pdt/articles/articles.php

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APIs

- **org.eclipse.php.core**
  - goalEvaluatorFactories- PHP Evaluator Factory
  - phpMixinBuildVisitors - PHP Mixin Build Visitor
  - PhpSourceElementRequestors PHP Mixin 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

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APIs (cont. 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
- **org.eclipse.php.debug.core**
  - fileMapper
  - pathEntryFilters

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APIs (cont. 2)

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

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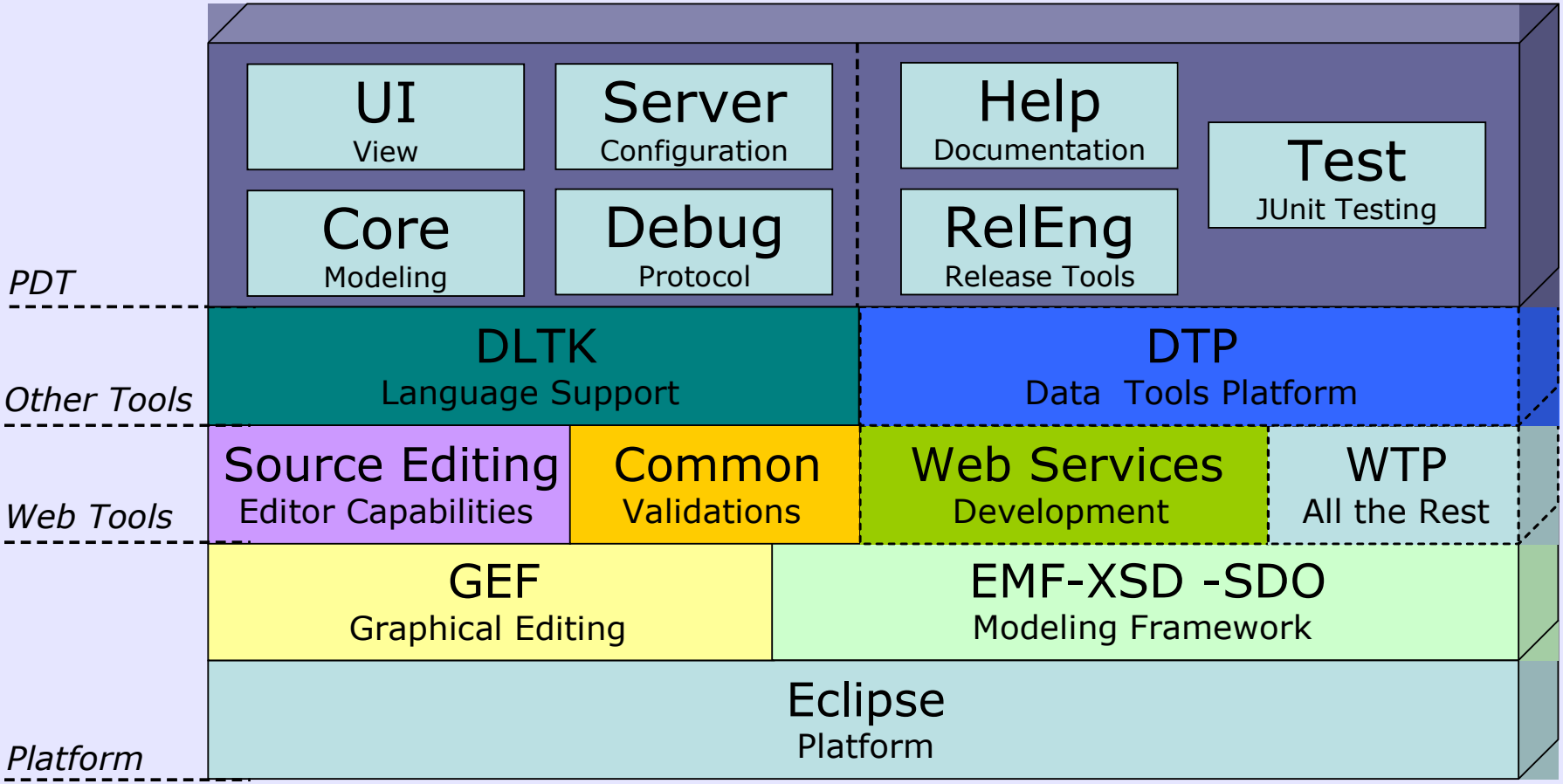
Architectural Issues



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Tool Usability

- Aligned with Eclipse (Java/DLTK) standards
- Build Path mechanism to improve modularity
- PHP specific features

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End-of-Life

- PHPCodeData API was removed
- Include path variable feature was removed, but we are considering implementing it for the 2.1 release.

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Bugzilla - Summary

	NEW	ASSIGNED	REOPENED	RESOLVED	CLOSED	Total
blocker	.	.	.	.	29	29
critical	.	.	.	6	115	121
major	34	8	2	6	456	506
normal	246	16	15	8	1002	1287
minor	22	1	3	.	129	155
trivial	.	.	.	.	14	14
enhancement	133	4	5	1	106	249
Total	435	29	25	21	1851	**2361**

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Bugzilla - Status

	NEW	ASSIGNED	REOPENED	Total
P1	29	2	.	31
P2	5	.	.	5
P3	266	23	18	307
P4	2	.	1	3
P5	.	.	1	1
Total	302	25	20	**347**

- 512 issues were closed during PDT 2.0 development

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Standards

- 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 version

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UI Usability

- The original DLTK UI usability was maintained
- A language pack is not currently available

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Schedule

- 2.0 M1 - November 03
- 2.0 M2 - November 24
- 2.0 RC1 - December 08
- 2.0 RC2 - December 14
- 2.0 RC3 - December 23
- 2.0 Release - December 29 (delayed for completing the release cycle)

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Communities

- Webinar:
  - http://www.zend.com/en/company/news/event/webinar-introduction-to-eclipse-php-development-tools-pdt
- Blogs (and more...):
  - http://www.phpdeveloper.org/news/11635
  - http://devreview.com/eclipse-pdt-20-is-released/
  - http://mea-bloga.blogspot.com/2008/12/pdt-20-is-available.html
  - http://computer-internet.marc8.com/community-news-eclipse-pdt-2-0-released
  - http://blog.cameesa.com/2008/12/29/we-want-to-hear-your-voice-speak-up-new-cameesa-feedback-system/

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IP Log - 3rd Party Contributions

- http://www.eclipse.org/pdt/documents/iplog.xls

CQ	Third-Party Code	License	Use
2504	xmlunit Version: 1.2	New BSD license	unmodified source

Pending Contribution Questionnaires

this pending CQ is not required for this release

CQ	Third-Party Code	License	Use
2697	end framework Version: 1.6.1 (*custom - using subset Dojo)	New BSD license, Unicode License, MIT License	unmodified source

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IP Log - Contributors

Active

Name	Organization
Nick Boldt	Red Hat, Inc.
Nir Cohen	Zend Technologies
Roy Ganor	Zend Technologies
Gadi Goldbarg	Zend Technologies
David Kelsey	IBM
Alon Peled	Zend Technologies
Michael Spector	Zend Technologies
Keren Stern	Zend Technologies

Non Active

Name	Organization
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Philip Berkland	IBM
Brian Burns	IBM
Shalom Gibly	Zend Technologies
Robert Goodman	IBM
Guy Gurfinkel	Zend Technologies
Guy Harpaz	Zend Technologies
Eden Klein	Zend Technologies
Seva Lapsha	Zend Technologies
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Igor Leznik	Zend Technologies
Yaron Mazor	Zend Technologies
Jackie Sedi	Zend Technologies
Moshe Shukrun	Zend Technologies

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IP Log - Contributions

Bug	Size	Description
Nick Boldt (gmail.com)		
233744	37.7K	[Provisioning] Improve PDT Releng & Website Resources website and releng projects as of 2008-09-10 16:19:07
233744	3.9K	[Provisioning] Improve PDT Releng & Website Resources comment #0
233744	1.3K	[Provisioning] Improve PDT Releng & Website Resources comment #3
233744	1.0K	[Provisioning] Improve PDT Releng & Website Resources comment #8
233744	1.6K	[Provisioning] Improve PDT Releng & Website Resources comment #64
233744	1.4K	[Provisioning] Improve PDT Releng & Website Resources comment #66
233744	3.3K	[Provisioning] Improve PDT Releng & Website Resources comment #70

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IP Issues

- The EMO explicitly asks during the Release Review if any Member would like to assert that this release infringes their IP rights.
- If so, the EMO and the project will follow the Eclipse IP Policy in discussions with that Member.

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Credits and Kudos

- Eclipse PDT community
- Our contributors – Alon P., Dave K., Michael S., Nick B., Nir C., and Roy G. (and other people who helped us with this release like Guy and Eden)
- Our QA team – Gadi, Silvyia and Kalin
- Documentation team – Keren S. and Debbie K.
- Cross Project thank yous – DLTK and WTP
- The Eclipse Foundation team – from IT to Management.

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