

Eclipse PDT 2.0

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OUTLINE

- **Installing Eclipse PDT 2.0 with PHP Debugger**
- **The Eclipse Workbench**
- **Creating a New Project**
- **Setting up the Project Configurations**
- **PHP Debugging Process**
- **JavaScript and CSS Source Editing**
- **PDT 2.0 New Features**
- **Source Editing – Tips and Tricks!**

INSTALLATION

- **Download PDT** - <http://eclipse.org/pdt/downloads>
- **Two options for PHP Debugger:**
 - Zend Debugger - <http://www.zend.com/pdt>
 - All-In-One: Eclipse PDT 2.0, PHP 5.2.8 and Zend Debugger
 - XDebug - <http://www.xdebug.org/>
 - Install XDebug
 - Enable XDebug in php.ini

ECLIPSE PDT WORKBENCH

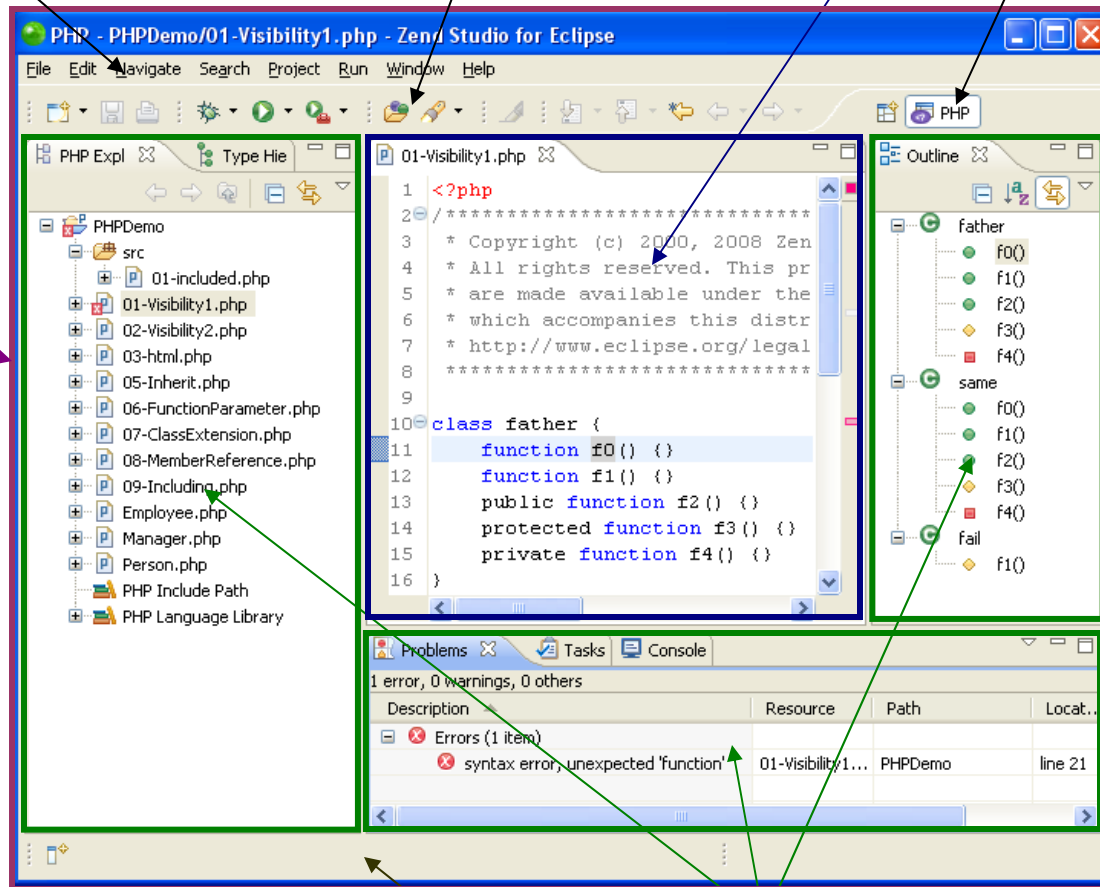
Menu bar

Toolbar

Editor

Perspectives

Workbench Window



Status line

Views

NEW FEATURES

- **Mark Occurrences**
- **Override Indicators**
- **Type Hierarchy**
- **Open Type / Method**
- **Improved Code Completion**
- **Build / Include Path**
- **Namespace Awareness (?)**

Mark Occurrences

Language Elements

```
public function __construct(Zend_Layout $layout = null)
{
    if (null !== $layout) {
        $this->setLayoutInstance($layout);
    } else {
        $layout = Zend_Layout::getMvcInstance();
    }

    if (null !== $layout) {
        $pluginClass = $layout->getPluginClass();
        $front = $this->getFrontController();
        if ($front->hasPlugin($pluginClass)) {
```

Write occurrence

Read occurrence

Require Elements

```
require_once 'Zend/Controller/Action/Helper/Abstract.php';

* Helper for interacting with Zend Layout objects
class ..... extends Zend_Controller_Action_Helper_Abstract
{
    /**
     * @var Zend_Controller_Front
     */
    protected $_frontController;

    /**
     * ...
     */
}
```

Exit Paths

```
public function setConfig($config = array())
{
    if (! is_array($config)) {
        /** @see Zend_Http_Client_Exception */
        require_once 'Zend/Http/Client/Exception.php';
        throw new Zend_Http_Client_Exception('Expected ...');
    }
    foreach ($config as $k => $v)
        $this->config[strtolower($k)] = $v;

    return $this;
}
```

Inheritance Points

```
class .... extends Zend_Controller_Action_Helper_Abstract
{
    * Get front controller instance
    public function getFrontController()
    * Get layout object
    public function getLayoutInstance()
    * Set layout object
    public function setLayoutInstance(Zend_Layout $layout)
    * Mark Action Controller (according to this plugin) as ...
    public function postDispatch()
    * ...
}
```

Override Indicators

Implementation

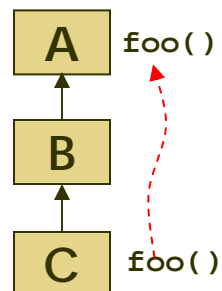
```
public function filter($value)
{
    $whiteSpace = $this->allowWhiteSpace ? '\s'
    if (!$self::$_unicodeEnabled) {
```

```
public function filter($value);
```

Abstraction

```
public function initContext($format = null)
{
    $this->_currentContext = null;
    if (!$this->getRequest()->isXmlHttpRequest())
        return;
```

```
public function initContext($format = null);
```



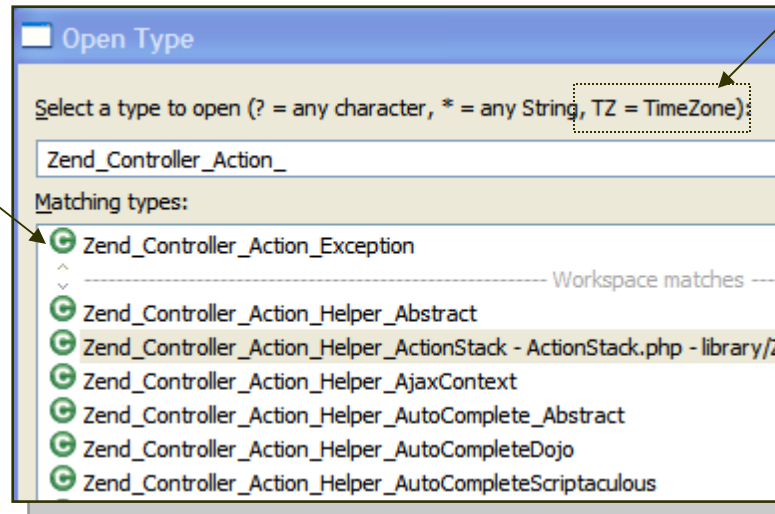
Type Hierarchy

The screenshot shows the PHP Explorer interface with a 'Type Hierarchy' window open. The main window displays the class hierarchy for 'Zend_Controller_Action_Helper_Abstract', listing subclasses like 'Zend_Controller_Action_Helper_ActionStack', 'Zend_Controller_Action_Helper_AutoComplete_Abstract', and 'Zend_Controller_Action_Helper_Json'. The 'Type Hierarchy' window on the right provides a detailed view of the 'src Zend_Controller_Action_Helper_Abstract' class, showing its methods such as '\$_act', '\$_fro', 'getAc', 'getFromController()', 'getName()', 'getRequest()', 'getResponse()', 'init()', 'postDispatch()', 'preDispatch()', and 'setActionController(\$actionController)'.

Open Type / Method

Most Recently Used

Camel-Case Match



Enhanced Code Completion

"Runtime" awareness

```
<?php
function foo() {
    if (something()) {
        return new A();
    }
    return new B();
}
?>
```

foo() has complex return type: {A, B}

Multiple return values

```
<?php
/**
 * @return C|B
 */
function foo() {
}
?>
```

foo() has complex return type: {C, B}

Magic members

```
/**
 * show off @property, @property-read, @property-write
 *
 * @property mixed $regular regular read/write
 * @property-read int $foo
 * @property-write blah $bar
 * @method int borp() multiply two integers
 */
```

Camel Case Match

ZCAH → Zend_Controller_Action_Helper_AutoCompleter

ZHelpAuto → Zend_Controller_Action_Helper_AutoCompleter

Build Path / Include Path

Include Path

type filter text

- Resource
- Build Path
- Builders
- Code Style
- Include Path**
- PHP Debug
- PHP Interpreter
- PHP Task Tags
- Project References
- Refactoring History
- Run/Debug Settings
- Save Actions

Include Path

Source Projects Libraries Order and Export

Build build path order and exported entries:
(Exported entries are contributed to dependent projects)

- team
- PHP Language Library

Up
Down
Select All
Deselect All

Build Path

type filter text

- Resource
- Build Path**
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Build Path

Source folders on build path:

- team
 - Included: (All)
 - Excluded: application/default/views/scripts;/public;/r

Add Folder...
Link Source...
Edit...
Remove

Namespace Awareness

Disabled

Zend_Db

- Zend_Db
- Zend_Db_Adapter_Abstract
- Zend_Db_Adapter_Db2
- Zend_Db_Adapter_Db2_Exception
- Zend_Db_Adapter_Exception
- Zend_Db_Adapter_Mysqli
- Zend_Db_Adapter_Mysqli_Exception
- Zend_Db_Adapter_Oracle
- Zend_Db_Adapter_Oracle_Exception
- Zend_Db_Adapter_Pdo_Abstract

Location
Db.php

Implements

Description
Class for connecting to SQL databases and performing common operations.

Enabled

Zend_Db

- Zend_Db_*
- Zend_Db

Description
This is a group containing multiple classes or interfaces.

PHP → Editor → Code Assist → Check the “Group Completion options according to element”

TIPS AND TRICKS

- **Ctrl+3 – Views Quick Access**
- **Ctrl+F6 – Editors Quick Access**
- **Ctrl+Shift+L – All keyboard Shortcuts**
- **Alt + → , Alt + ← Browse editors**
- **Ctrl+Shift+R – Open a file**
- **Shift + F2 – Open the PHP Manual**
- **Window -> Resent Perspective**
- **General→Editors→Text Editors→Quick Diff**
- **Sharing your CVS lineup with others**
- **Customizing toolbar and menu bar**
- **Customizable key bindings (General → Keys)**

