

Code Exploration with Zend Studio 7.0 and nWire

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Zend & nWire

- Zend Studio is built on top of the Eclipse open platform
- nWire is the first company to join the Zend Studio Partnership Program
- Code navigation and exploration is very important!

Agenda

- Introducing nWire
- The nWire Tools
- Using nWire to Expedite Development

What is nWire?

- Eclipse PDT/Zend Studio Plugin
- Code Exploration





*Developers Spend More
Time Reading and
Understanding Code
Than Writing It*

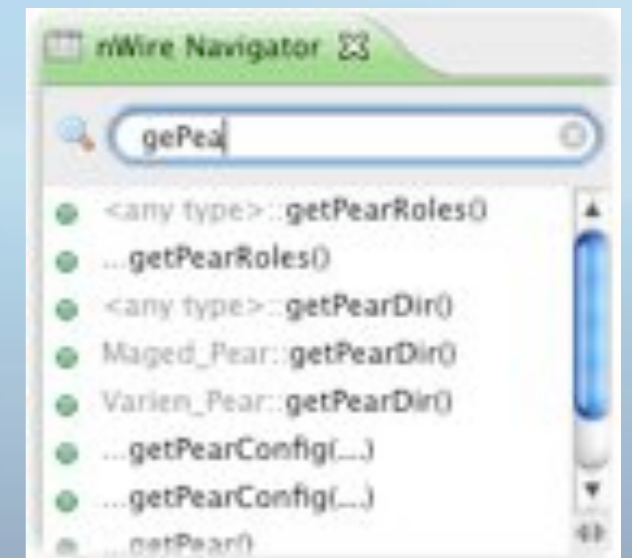
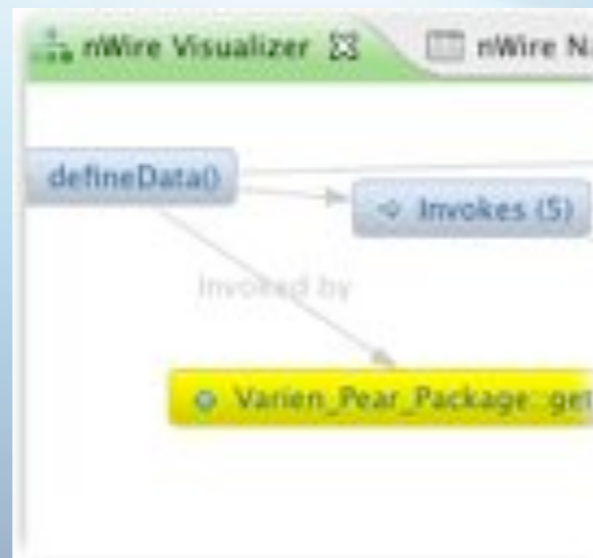
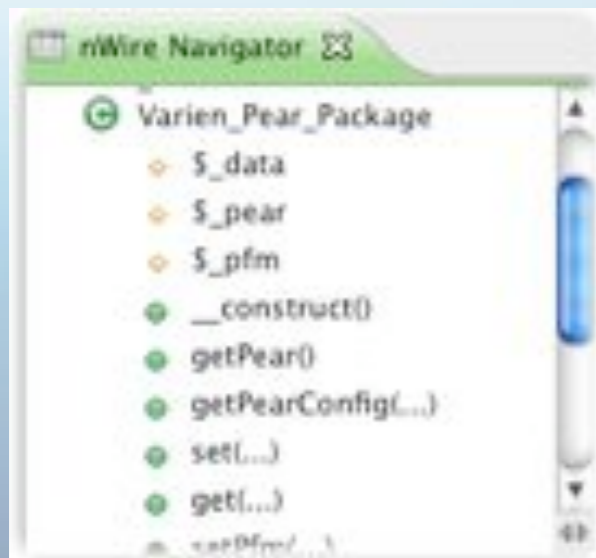
Introducing nWire

Code Exploration

Navigate

Visualize

Search



It's Demo Time!

Code Analysis



Demo Topics

Navigator	PHP Analysis	Search	Visualizer
Source Sync	Any Type Members	Basic Search	Visualizing Associations
Basic Navigation	Alternative Declarations	Wild Cards	Undo/Redo
Types of Associations	PHPDoc Analysis	Camel Case	Export
Hierarchical View	Dependencies Analysis		Filters
Smart Focus			

Installing nWire

- Using the Eclipse update manager from <http://update.nwiresoftware.com>
- No configuration, no customization...
Just Works!
- Initial analysis process
- Zend Studio 7.0 / Eclipse 3.5 with PDT 2.1

nWire @ Work

Real Life Examples

Scenario 1: **Fixing a Bug**

Understand the existing code

Reading code using nWire
Navigating to referenced methods
Find usage of a field

Fix the code

Code lookup using nWire
Finding example for method usage

Test it

Determine code dependencies using nWire
Focus your tests on relevant pages

Scenario 2: Refactoring a Class

Check existing references

Find class references: instantiations, fields, etc.

Make the changes

Explore the updated structure

Ensure the new structure adheres to the new design

Scenario 3: Prepare for a Review

Prepare Visual Diagrams

Define filters for different types of graphs
Prepare visual diagrams

Scenario 4: Train a New Developer

Beforehand: Prepare Code Documents

Prepare visual diagrams, annotated and embedded in your documentation

Code Walkthrough

Explain a file using nWire: explore all the associations while walking through the code

**Read Existing Code
Read Application Framework Code**

Use nWire to navigate through the entire code base, including application frameworks like Zend Framework

nWire Key Benefits

- Reduce the learning curve for new developers
- Expedites modifications to existing code
- Improve software quality
- Reduce the testing time

What's Next?

- Install nWire for a free trial today
- Send us your feedback to
 - Email:
support@nwiressoftware.com
 - Forums:
<http://forum.nwiressoftware.com/>