Zend **php** 05

Zend/PHP Conference & Expo

Power Your Business with PHP

SCHL**ITT** consulting

PEAR

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Agenda

- **About me**
- **What is PEAR?**
- **The PEAR components**
- **Rapid prototyping**
- **The PEAR Installer**
- **News in PEAR 1.4**
- **PEAR channels**
- **Questions and answers**

About me

- **Former software architect at Deutsche Bank**
- **Currently student of Computer Science**
- **Consultant for the areas of**
  - Architecture, Development, Training, Management
- **Working with PHP for over 5 years**
- **Member of the PEAR project since 2002**
  - Packages, Website, Core-QA Team
- **Zend certified engineer**
- **Working for customers like**
  - eZ Systems (ez.no), Mayflower (thinkphp.de),…

What is PEAR?

- **Collection of high quality PHP components**
  - Flexible
  - Universal
  - Multi purpose
- **Standardization institution**
- **Purely object oriented**
- **Nearly 500 packages and growing fast**
- **Almost 250 package maintainers, 500 contributors**
- **100% free (only PHP, Apache, BSD, LGPL licenses)**
- **Founded by Stig S. Bakken in 1999**

Rapid prototyping

- **Create a prototype using PEAR components extremely fast**

- **Adjust working prototype after customer wishes**

- **Test the prototype (performance, usability,…)**

- **Rework critical parts and replace PEAR components, where neede**

The PEAR Installer

- **Unified tool for installation of**
  - PHP code (PEAR)
  - C extensions (PECL, http://pecl.php.net)
- **Working on all major operating systems like**
  - Windows
  - Linux
  - Mac OS
- **Different GUIs available:**
  - Console (built in)
  - Web
  - GTK
- **Handles dependencies between packages**
- **Provides tools for developers**

- **Channels**
  - Open your own package repository
- **Automatic dependency resolving**
  - --onlyreqdeps / -o
  - --alldeps / -a
- **Dependency group support**
- **Dependencies to external packages**
  - Refer to packages through URLs
- **Post install scripts, like**
  - Setting up databases
  - Moving files to the web root

- **PHAR support**
  – Running PHP applications from a single file
- **Remote installation**
  – Install PEAR without shell access
- **New package.xml format**
  – More flexibility for your own packages
- **Mirroring**
  – Wanna keep multiple servers up2date?
- **Multiple modules in one package**
  – Bundle packages with your application

- **Set up your own package repository**
  - Channel Server is a PEAR package
  - Provide any application through the Installer
- **Receive packages from multiple sources**
- **Cross channel dependencies**
- **New commands for channels:**
  - $ pear channel-discover http://example.com/channel.xml
  - $ pear channel-alias channel://... example
  - $ pear update-channels
  - ...
- **REST interface**
- **http://pear.chiaraquartet.net/index.php?package=Chiara_PEAR_Server**

- **pearified.com**
  - Well-known PHP applications
- **pear.php-tools.net**
  - The PAT tools
- **solarphp.com**
  - The Solar framework

Coming soon...

- **ez.no**
  - eZ Publish Enterprise Components

Any open questions left?
Do you have feedback, suggestions, critics?

Thank you for your attention!
Hope you liked it!

- **These slides**
  - http://pear.php.net/support/slides.php
- **pearadise.net – The PEAR channel aggregator**
  - http://pearadise.net
- **The PHP news portal**
  - http://planet-php.net
- **Need consulting?**
  - consulting@schlitt.info