

News from PEAR

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Welcome

- About me
- What is PEAR?
- Rapid prototyping
- Brand new packages
- PECL
- The PEAR Installer
- New in PEAR 1.4
- Questions and answers / open part

About me

- Student of Computer Science
- Consultant for the areas of
 - Architecture, Development, Training, Management
- Working for customers like
 - eZ Systems (ez.no), Mayflower (thinkphp.de),...
- Working with PHP for over 5 years
- Member of the PEAR project since 2002
 - Packages, Website, Core-QA Team



What is PEAR?

- Collection of PHP components
 - Flexible
 - Universal
 - Multi purpose
- Purely object oriented
- Standardization institution
- Nearly 500 packages and growing fast
- More than 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
- Finalize and test the prototype (performance, usability,...)
- Rework critical parts and replace PEAR components, where needed

Brand new packages

- XML_Feed_Parser
 - Parse lots of different XML syndication formats like RSS, Atom, ...
- System_SharedMemory
 - Unified access to several shared memory APIs.
- HTML_Ajax
 - Jump on the AJAX hype without loosing time, this provides server functionality and generates client JS stubs.
- CodeGen
 - Generate code templates for various languages.

PECL

- Sister project of PEAR (<http://pecl.php.net>)
- Provides C-Extensions for PHP
 - Contains new / seldom used extensions
 - Extensions compile directly using the PEAR Installer
- Splitted from PEAR about 1,5 years ago
- Has it's own channel now:
 - pecl.php.net
- PEAR Installer provides the command for building the C-Extensions
 - `$ pecl`

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
- Shipped with PHP since version 4.3.0
- Not on your box? Try:
 - `$ lynx -source http://go-pear.org | php -q`

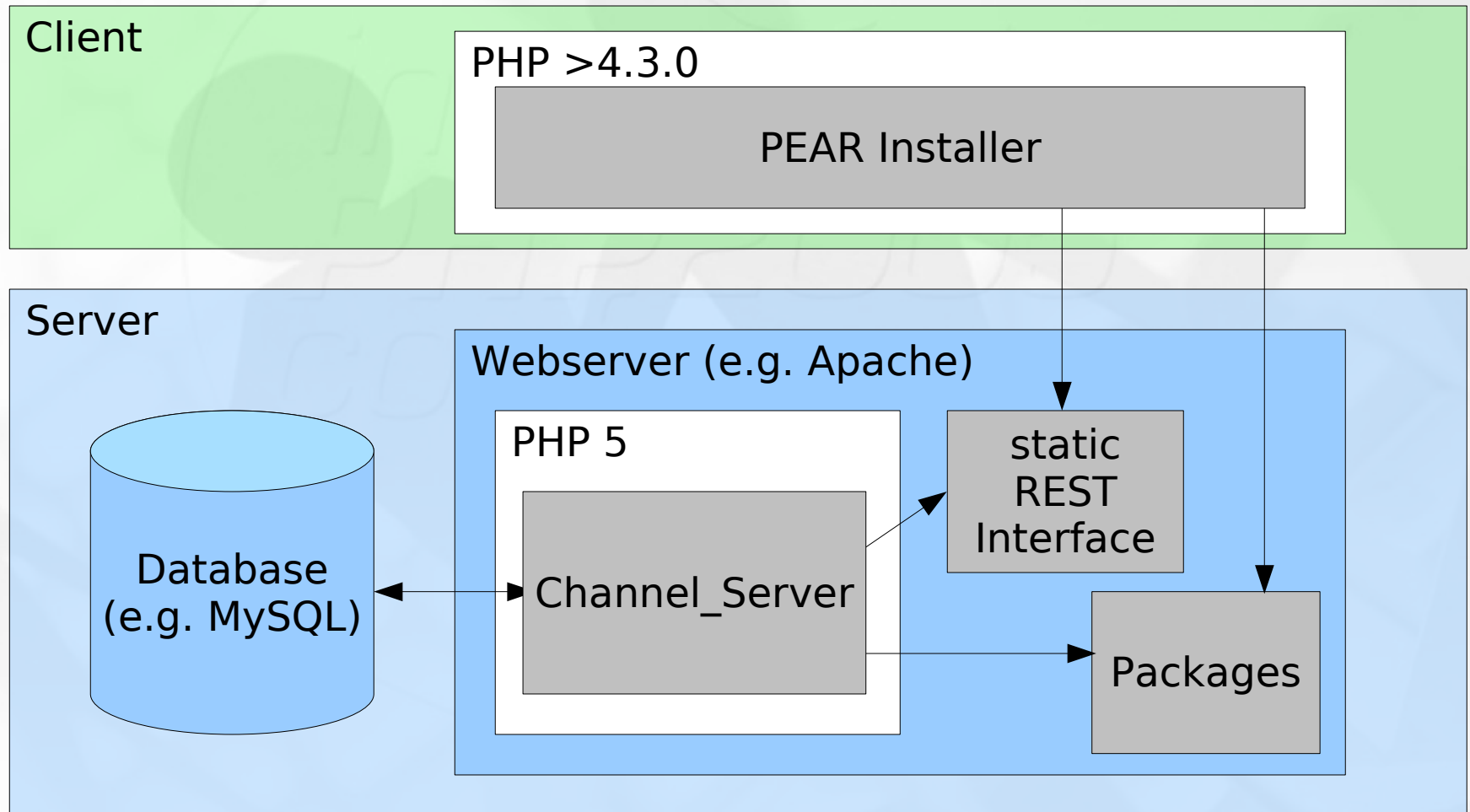
New in 1.4 (1/2)

- 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

New in 1.4 (2/2)

- 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

Channel server (1/2)



Channel server (2/2)

- Provides the architecture seen in the last part
- PEAR package
- Currently developed outside of PEAR
 - Chiara_PEAR_Server (<http://pear.chiaraquartet.net/>)
- Status by now is ALPHA!
 - API may change
 - Many features to come....
- How to get it?
 - Prepare required database & web directory!
 - `$ pear channel-discover pear.chiaraquartet.net`
 - `$ pear install chiara/Chiara_PEAR_Server`
 - `$ pear run-scripts chiara/Chiara_PEAR_Server`

Q/A & open part

- Now it's time for...
 - ... questions and answers.
 - ... showing what I recently talked about.
 - ... feedback and critics.

Thank you!

- I hope you...
 - ... enjoyed the session.
 - ... learned something useful.
 - ... start using PEAR.
 - ... enjoyed the conference!

Useful links

- Presentation slides online:
 - <http://pear.php.net/support/slides.php>
- PEAR channel aggregator:
 - <http://pearadise.net>
 - 13 channels registered by now :)
- All PHP news in one place:
 - <http://planet-php.net>
- Contact: <toby@php.net>