

Welcome!

PEAR – An introduction

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Agenda



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- PEAR institutions
- Hierarchy
- Packages
- Development
- Standards
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- User projects
- Summary
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About us



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- Stefan Neufeind
- Located: Germany, Neuss (near Düsseldorf)
- Occupation: Student / freelancer for SpeedPartner
- Packages:
 - Image_Graph
 - Net_Traceroute
 - HTTP_Session
 - Validate
- PEAR DEV / QA / DOC

About us



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- Tobias Schlitt
- Location: Germany, Frankfurt
- Occupation: Deutsche Bank AG, Software Architect
soon: Student / Freelancer
- Packages:
 - Net_FTP
 - Image_Text
 - Image_Tools
 - Log_Parser
- PEAR DEV / QA-CORE / WEB

WTFIP?



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- "PHP Extension and Application Repository"
- Huge variety of high quality open source components
- Founded by Stig S. Bakken in 1999
- Over 220 packages, more than 500 developers
- Avoiding redundant code
- Defining standards
- Common PHP package infrastructure

Institutions



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- Website
 - Package browser
 - Support
 - Bugtracker
 - Proposalsystem (PEPr)
 - Developer functionality
 - Backend of PEAR installer (XML_RPC)
- Mailinglists

Support



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- Direct developer contact via website
- Bugtracker
- Mailinglists
 - pear-general@php.net
 - pear-dev@php.net
- IRC (#pear@EFnet, #php.pecl@EFnet)
- PEAR QA team (pear-qa@lists.php.net)
- PEAR group (pear-group@php.net)

Hierarchy



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- No hierarchy
- Everybody free to propose / criticize
- Specialized groups for different purposes
- “Wise guys” of PEAR: PEAR group
 - Not leading or ruling community
 - Step in on unresolvable issues
 - Single point of contact
- PEAR QA team
- PEAR Documentation team

Develop packages



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- Maintainers freedom
- Rules exist:
 - To structure development
 - To provide quality
 - To make life easier for users
 - Maintainers strongly encouraged to flexible and generic API design
- Code duplication resolved by dependencies

Standards



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- Coding standards
- Reliable package states
- Common versioning system
- Documentation standard (PHPDoc)
- Testing standard (PHP_Unit)

Installer



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- Complete installation facilities for PHP- and C-Packages
- XML_RPC
- Selfinstalling installer
 - Installer is shipped with PHP since 4.3.0
 - Prior versions: Install via <http://go-pear.org/>
 - (Linux: `lynx -source http://go-pear.org/ | php -q`)
 - Interactive setup will download all needed core-components and install them
 - Browser installation possible

- Third party packages (examples)
 - phpOpenTracker
 - Horde framework
- Web interface available
 - Complete web interface for installer
 - Microsoft like “Click-and-Play” feeling
- GTK available
 - Interface written in PHP-GTK
 - Useable on every *nix system

Future outlook



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- Channel support in front of the door
 - Multiple installer sources
 - Installer back end for everyone
- PHP5 packages
 - PHP4/5 compatibility more important
 - PHP5-only packages in future
- Signing of packages

Users



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- Horde (Framework)
 - TikiWiki (Wiki application)
 - S9Y (Weblog application)
 - Savant (Template engine)
 - Seagull PHP Framework (Framework)
 - patUser (PHP Application Tools)
 - YAWP (Application framework)
 - Yawiki (Wiki application)
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- + A great number of large scale websites
 - + More and more ISPs

Summary



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So what has PEAR got to offer for you?

- Enterprise-ready / high quality components
- Improved security by the 100 principle
- Support via community
- Easy package handling
- 100% free licenses (PHP license, LGPL, ...)
- No GPL

Q / A



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Thanks for your attention!

Feel free to ask questions, state criticism or give feedback!

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<http://www.schlitt.info/>
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