Welcome!

Welcome to the PEAR Powerworkshop!

We hope you will have fun
         and see some interesting stuff.

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Agenda

- Introduction

- What is PEAR?

- Website overview

- The project

- Using PEAR

- Practical -1-

Break

- Developing PEAR

- Practical -2-

- Open part

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Tobias Schlitt

- PEAR developer since 2002
- PEAR website team and QA team
- Maintainer of Net_FTP, Log_Parser,Image_Text, Image_Tools
- Software Architect at Deutsche Bank AG

- Email: toby@php.net
- Website: http://www.schlitt.info

Lukas Smith

- PEAR developer since 2002
- PEAR group and PEAR QA member
- Maintainer of MDB, MDB2 and LiveUser
- Co-founder of Backend Media

- Email: lsmith@php.net
- Website: http://www.backendmedia.de

And who are you?

- What is your name?
- What is your line of work?
- How well do you know PEAR?
- Do you use PEAR?
- If yes what packages?
- What interests you in PEAR?
- Anything else we should know?

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Overview

- Collection of high quality PHP components

- Over 200 packages

- More than 500 package maintainers

- 100% open source

- Standardization institution

- Founded by Stig S. Bakken in 1999

Components?

- Generic packages of PHP code

- Avoiding code redundancy

- Packaged by functionality

- Object oriented

- Flexible and extensible APIs

High quality?

- 1000 eyes principle

- Development standards

- Proposal process

- BC breakage prohibited

- QA team

Community

- Maintainers freedom

- Community process

- Constructive discussion

- Bundled PHP knowledge

- Continuous progress

Conclusion

PEAR is sexy.

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PEAR Website

- http://pear.php.net

- Package Browsing

- Manual

- Support

- Bug tracking system

- PEPr

PEAR Packages

- Browsing by category
- Package homepage contains:
  - Summary, license, description, homepage
  - Maintainers
  - Download
  - Link to manual (optional)
  - Link to view all open bugs
  - Download statistics
  - Changelog for all releases

PEAR Manual

- Multiple languages (English*, French, Japanese, Hungarian, Dutch, Russian)
- *English is the primary language
- HTML (download and online), .chm
- DocBook based
- Currently also contains PECL docs
- We need more users contributing!

Bug tracking system

- http://pear.php.net/bugs
- Bug reporting
- Feature requests
- Patches (don't send patches to mailinglists)

PEPr

– PEAR Proposal System

– Package and RFC proposals

– Phases of a proposal:

- draft

- proposed

- call for votes

- finished

– Voting (open to all pear-dev members)

– Anyone can get a pear proposal account

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PEAR Support

– Mailinglist: pear-general@lists.php.net

– All other mailinglists and archives

– IRC channel on efnet: #pear

– Links resources: tutorials, forums etc

– No official forum (however external PEAR forums are very welcome!)

– PEAR logos :-)

PEAR Dev

– All PEAR package maintainers

– Mailinglist: pear-dev@lists.php.net

– All general discussion takes place here

– Non PEAR developers welcome, but not meant
for user support (please use pear-general@lists.php.net
instead)

PEAR Doc

- Manages the PEAR Manual

- Mailinglist: pear-doc@lists.php.net

- Users welcome (PHP manual was not mostly written by the actual developers!)

- Currently working on:
  using livedocs + WYSIWYG (or other alternatives to lower barrier to entry)

PEAR QA

– Quality Assurance team

– Mailinglist: pear-qa@lists.php.net

– PEAR QA RFC to be decided upon

– Help developers with QA issues

– Finds new maintainers for orphaned packages

– Building tools to make quality transparent

– Develops recommendations

PEAR Core

- – Develops the core PEAR infrastructure
- – Mailinglist: pear-core@lists.php.net
- – PEAR base class
- – PEAR Installer
- – PEAR web
- – Currently working on:
  Comments system, channel support and
  binary support for PECL packages

PEAR Webmaster

– Manages pear.php.net

– Mailinglist: pear-sys@php.net (Servers),
   pear-webmaster@lists.php.net (Website)

PEAR Group

- – PEAR steering committee
- – Mailinglist: pear-group@php.net
- – Handles outside relations
- – Mediates on problems within PEAR
- – Reserves a veto on all decisions, however does not have any real power beyond the trust the PEAR community has for them

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Obtaining packages

- – Easy to use installer

- – Shipped with PHP since 4.3.0

- – For lower versions:
  Easy to obtain installer through http://go-pear.org

- – Different interfaces available:

  - • CLI

  - • Web

  - • GTK

Development versions

– Latest development version in CVS

– Anonymous checkout possible
```
cvs -d :pserver:cvsread@cvs.php.net:/repository login
cvs -d :pserver:cvsread@cvs.php.net:/repository checkout pear
```
Password: phpfi

– CVS webinterface at http://cvs.php.net

Startup with a package

- – Docs shipped with packages:
- – Inside the PEAR diretory: PEAR/docs/
- – Inside the package sources

Need help?

– Online manual at http://pear.php.net/manual/

– Direct link through package website

– Foreign docs

– Google!

– IRC Channel: #pear@efnet

– Mailinglist pear-general@lists.php.net

Found a bug?

- 1st step: Check CVS!
- Central bug tracker at http://pear.php.net/bugs/
- Bug link on package website
- Patches welcome!

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Developing PEAR

– Submitting patches

– Licenses: PHP, BSD, Apache, LGPL

– package.xml

– Release upload

– Accounts

- PEAR account
- CVS account
- ... and what is this karma stuff?

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