

The eZ Components Roundup

International PHP Conference Spring Edition

Ludwigsburg, 23rd of May 2007

Agenda

The basics

The components

About us - Kore

Kore Nordmann

Studying computer science at the University
Dortmund

Working for eZ systems on
eZ components

Maintainer and Developer in multiple open source
projects: Image_3D, KaForkl, KPortal, Busimess,
PHPUnit

About us - Toby

Tobias Schlitt

IT specialist

Studying computer science at the University
Dortmund

Working for eZ systems on the
eZ components project

Contributer to multiple open source projects:
PHPUnit, Serendipity, Image_3D,...

The basics – Agenda

Release info

Target

Project goals

Setup

Licensing / contributing

Release info

Current stable: 2006.2

Next stable release around July

Current beta: 2007.1beta1

Tons of additions to existing features

2 new components

Target

Migration to PHP 5.X (5.1.1)

Thoroughly plan to get a top notch API

Test driven development approach

Proper docs from the start

Flexibility and openness for the future

Project goals

Solid platform for PHP application development

Not a framework (don't force a structure)

Clean and simple API

Excellent docs

Clean IP

Open Source friendly

Setup

Retrieval

Download (<http://ez.no/ezcomponents/download>)

PEAR (components.ez.no)

Installation

Declare autoload function

Simply use the classes you want

Licensing / Contributing

New BSD

Open Source

Very permissive

GPL compatible

CLA

Needs to be signed to contribute

Guarantees clean IP rights

The components - Agenda

Components short overview

... many ...

Components in deeper detail

Graph

ConsoleTools



Configuration

Read & write config files

Flexible back-end design

INI

PHP Array

Own implementations ez

Maintains comments



Mail

Create mail

Plain Text / HTML / Attachments / Digest / ...

Report / delivery status (**new**)

Send mail

SMTP / mail()

Retrieve & parse mail

POP / IMAP / MBOX / File / Variable

Template

Compiling to PHP

Scoping and includes

Output contexts (XSS prevention)

Custom extensions

- Blocks

- Functions

Dynamic locations (**new**)



Cache

Multiple back-ends

Plain file

PHP array

Attribute searching

Multiple directory levels



SignalSlot

Qt inspired object communication system

Enable plug-in designs

Static and dynamic signals

Slot priorities



Graph 1/2

Data visualization and charting tool

Different chart types

Bar, line, pie, radar (**new**)

Fully customizable

3D effects



Graph 2/2

Code browsing session...



Database

Extends PDO

- Unified exceptions

- Identifier quoting

SQL abstraction

- Generates database independent SQL

- Emulates LIMIT

Support for MySQL, SQLite, Oracle,
PostgreSQL, MS SQL (**new**)

DatabaseSchema

Save schemas database independent (XML)

Create database schema from XML

PEAR::MDB2 compliant schema

Generate PersistentObject definitions and classes (**new**)

Archive

Create / extract / manipulate archives

Multiple formats

TAR

ZIP

Multiple compressions through stream wrappers

GZ

BZIP2

EventLog

Multiple back-ends

File

Database

Severities

Log filtering

ImageConversion

Multiple back-ends

ext/GD

ImageMagick

Transformation / filter architecture

Supports filters like scale, crop, colorspace

Supports effects like watermark, border,
noise, swirl

UserInput

Secures user input

Built upon ext/filter

Intuitive OO API



ConsoleTools 1/2

Class suite for console applications

Output / format text

Table generation

Status widget rendering

Simple dialog system (**new**)

ConsoleTools 2/2

Code browsing session...



Feed

Parse and create feeds

Multiple formats

RSS

Atom

Translation

Store and retrieve translated content

Uses Qt linguist files

Filter system

Caching

PersistentObject

OR mapping on top of database

No inheritance required

Database independent support for

Relations

Cascading

Definition and class stub (**new**) generation

Addtions in 2007.1

Workflow

Activity based workflow system

Definition and execution of workflow specifications

Authetication

Unified authentication against different backends

Htpasswd / Database / OpenID / TypeKey / ...

The end

Thanks for listening!

We hope you enjoyed the talk

Any questions left?

Contact us:

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Tobias Schlitt <toby@php.net>

eZ Components: <http://ez.no/ezcomponents>

