The eZ Components Roundup

eZ Conference 2007

Skien, 7th of June 2007

Agenda

The basics

The components

The roundup

About me

Tobias Schlitt

- IT specialist

- Studying computer science at the University Dortmund

- Working for eZ systems on the eZ components project

- Contributer to multiple other 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: 2007.1beta2

  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 (if time)

Outlook

Configuration

Read & write config files

Flexible back-end design

INI

PHP Array

Maintains comments

Mail

Create & parse mail

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

Report / delivery status (new)

Send mail

SMTP / mail()

Retrieve mail

POP / IMAP / MBOX / File / Variable

Template

Compiling to PHP

Scoping and includes

Output contexts (XSS prevention)

Custom extensions

Dynamic locations (new)

Cache blocks (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

The roundup – Agenda

New in 2007.1

A look to the future

The end

Additions in 2007.1

Workflow

- Activity based workflow system

- Definition and execution of workflow specifications

- Dedicated session tomorrow!

Authentication

- Unified authentication against different back-ends

  - Htpasswd / Database / OpenID / TypeKey / ...

A look to the future

Ideas for new components

Document

TreeStructure

Webservices

WebDAV

Lots of additions to existing components

The end

Thanks for listening

I hope you enjoyed the talk

Any questions left?

Contact: Tobias Schlitt <ts@ez.no>

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