

eZ components

The enterprise development platform for PHP 5

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About me

- Tobias Schlitt <ts@ez.no>
 - IT specialist, currently studying computer science
 - Working for eZ systems on the eZ components
 - Member of the PEAR project
 - PHP Usergroup Dortmund (Germany)
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- <http://ez.no>
 - <http://schlitt.info>
 - <http://phpugdo.de>

Agenda

- Introduction
- Architecture / design (very short)
- Example application
- Open part

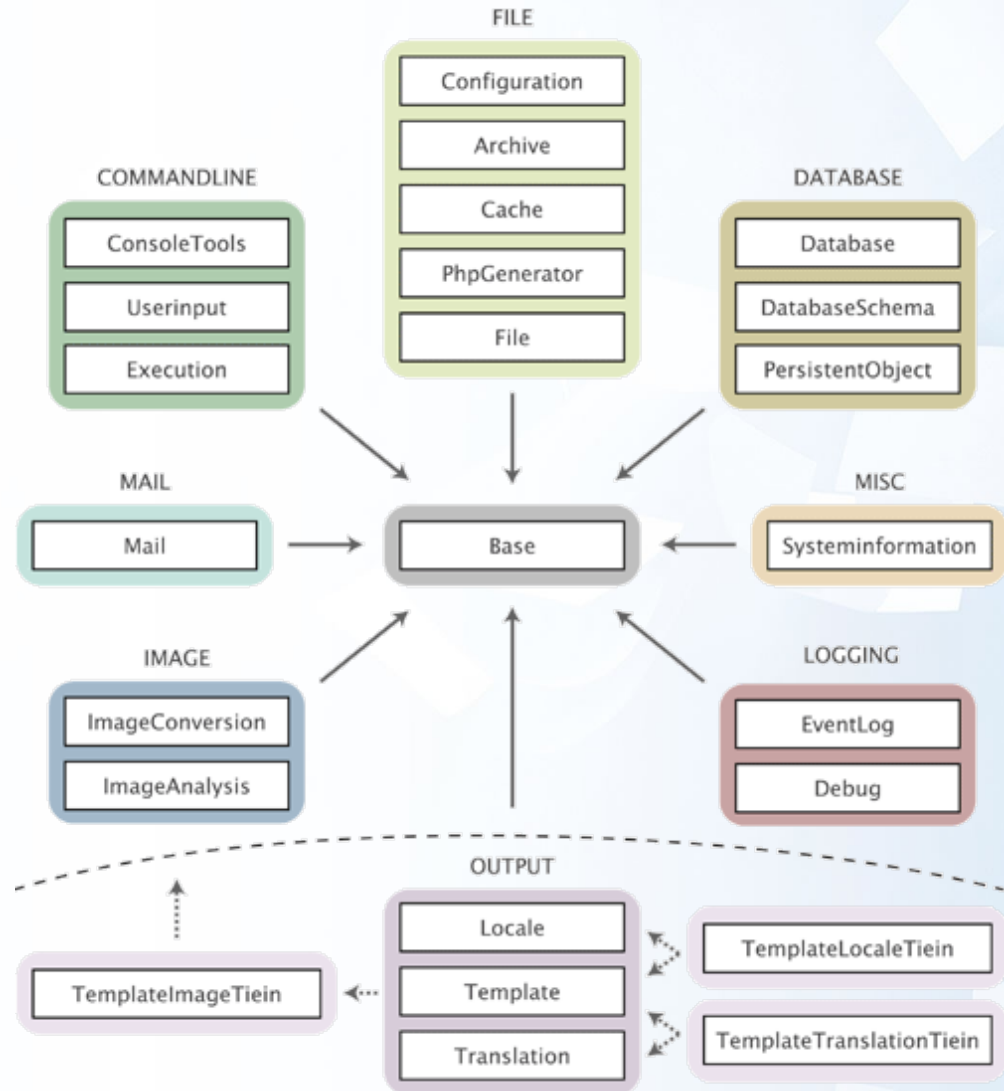
Introduction

Introduction – What is it?

- A “general purpose enterprise ready PHP platform”.
- eZ components is not a framework...
- ... it is a library of loosely coupled building blocks
- Not only dedicated to web development...
- ... but focused on it.

Introduction - Overview

Share your information



Introduction – Current status

- Version 1.1 – stable
- Currently 23 components included
- More to come for 1.2 (now 2006.2)
- New BSD license (completely free)
- Professional support available
- Will become the new basis of eZ publish

Introduction – Installation and setup

- Using PEAR (easy!)
 - `$ pear channel-discover components.ez.no`
 - `$ pear install ezc/eZComponents`
 - `($ pear upgrade ezc/eZComponents)`
- Installing by hand (easy, too!)
 - `$ wget http://ez.no/downloads/ezcomponents-1.0.tar.bz2`
 - `$ tar -xjf ezcomponents-1.1.tar.bz2`
- Autoload code:

```
<?php
    ini_set( 'include_path', '/your/path/to/ezc:.' );
    require 'Base/base.php';

    function __autoload( $className )
    {
        ezcBase::autoload( $className );
    }
?>
```


Architecture

Architecture – Class names

- Pre-fixed: for namespacing
 - Use prefix ezc, because PHP has no namespaces.
- Readable: for sanity
 - Usage of descriptive class names instead of cryptic.
- Slightly Mangled: for clarity
 - ezcMail vs. Mail
 - ezcTestSuite vs. PHPUnit2_Framework_TestSuite
 - ezcMailSmtptTransport vs. ezcMailSMTPTransport

Architecture – Autoload arrays

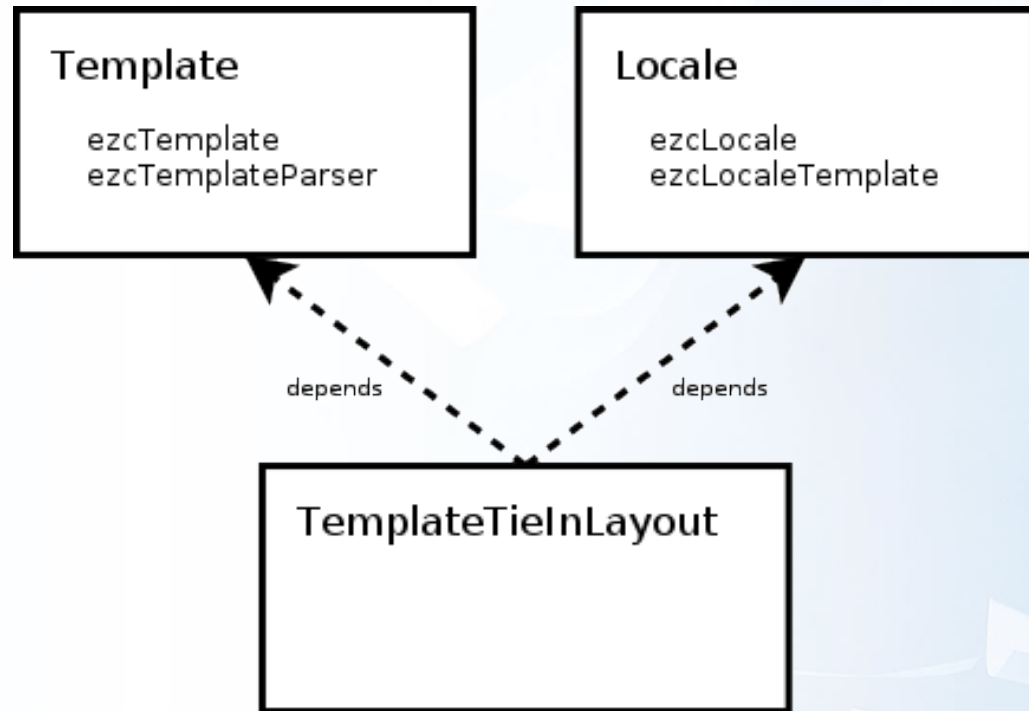
- Using the classname's part as path elements makes ugly paths:
 - ezcMailTransportMta => mail/transport/mta.php
 - ezcMailTransportSmtplib => mail/transport/smtplib.php
 - ezcMailException => mail/exception.php
- More logical names (mail_autoload.php):
 - ezcMailMtaTransport => transports/transport_mta.php
 - ezcMailSmtplibTransport => transports/transport_smtplib.php
 - ezcMailException => exceptions/mail_exception.php
- Some problems:
 - Clashes in first part of the class name
 - Needs installation into correct place for development (“autoload/”)

Architecture – Documentation

- Documentation:
 - Makes a library usable
 - API documentation
 - Examples
 - Tutorials
 - Articles
- PHP Documentor:
 - Made for PHP
 - In use by PEAR
 - Supported by PHP IDEs

Architecture - Dependencies

- The less the better
- Only if really necessary
- Dependency-only packages
- Tie-Ins



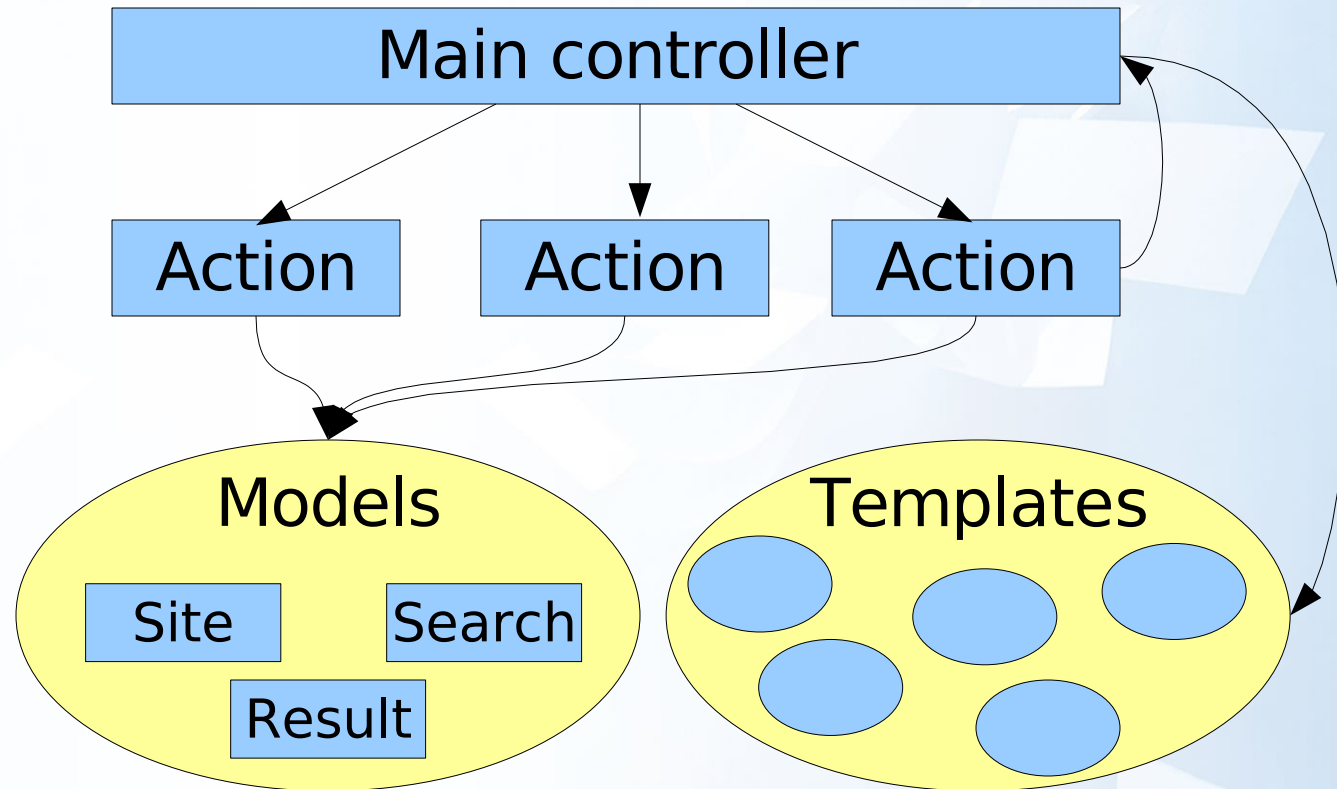
Example application

Example application – Overview

- A Google rank checker
- Uses a MVC pattern
- Provides actions to...
 - ... add a new site
 - ... add a new search
 - ... view all the data
- Uses the following components:
 - Database
 - PersistentObject
 - Config
 - UserInput
 - Template
 - Graph (pre-alpha)

Example application – General architecture

- MVC (Model-View-Controller) pattern



Example application - Code

Now comes the fun part... ;)

Open part

Open part

- Now it is time for...
 - Questions and answers
 - Feedback
 - Ideas
 - Critics
 - ...

The bitter end...

- Thanks for listening!
- I hope you...
 - ... learned what you expected
 - ... will try out eZ components
 - ... had a good time (possibly slept well? ;)
- If you want to learn more:
 - The eZ components website
 - http://ez.no/products/ez_components
 - The eZ components documentation
 - <http://ez.no/doc/components/overview/latest>
 - The eZ components forum
 - http://ez.no/community/forum/ez_components
 - The eZ components mailinglist
 - [<components@lists.ez.no>](mailto:components@lists.ez.no)
 - My email address:
 - [<ts@ez.no>](mailto:ts@ez.no)