

Welcome!

eZ components

RAD for PHP

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<http://files.derickrethans.nl/ezc-webdeal.pdf>

Library Goals

- Provide a solid platform for PHP application development
- Clean and simple API
- Keep backward compatibility for longer periods of time
- Stable and few regressions
- Clean IP, Open Source friendly

Development Goals

- Move to PHP 5
- Thoroughly plan the product to get a top notch API for the library
- Thoroughly tested. All code should be covered by unit tests PRIOR to implementation
- Make sure we keep the product open enough for future development
- Do proper documentation during the development

Documentation:

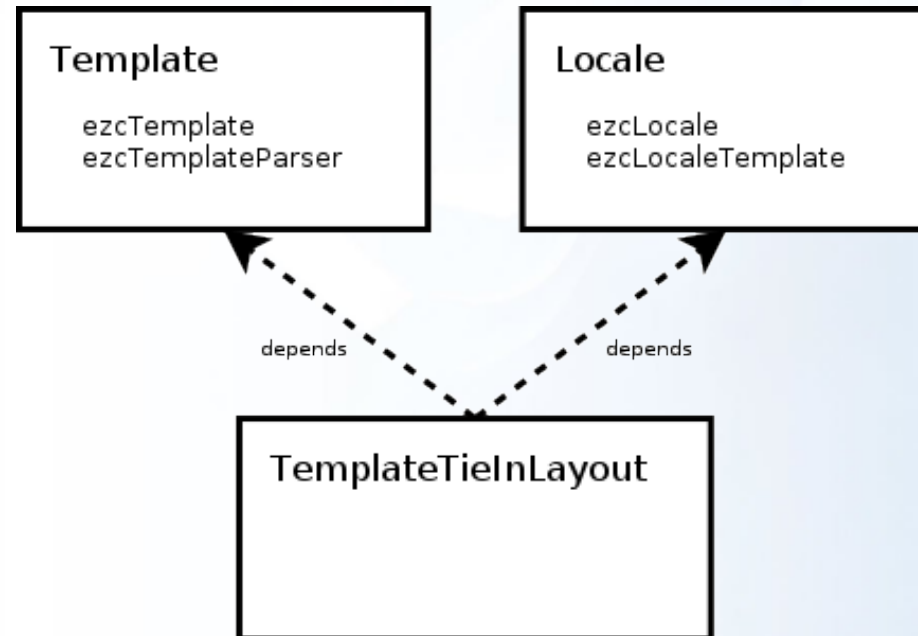
- Makes a library usable
- API documentation
- Examples
- Tutorials

PHP Documentor:

- Made for PHP
- In use by PEAR
- Supported by PHP IDEs

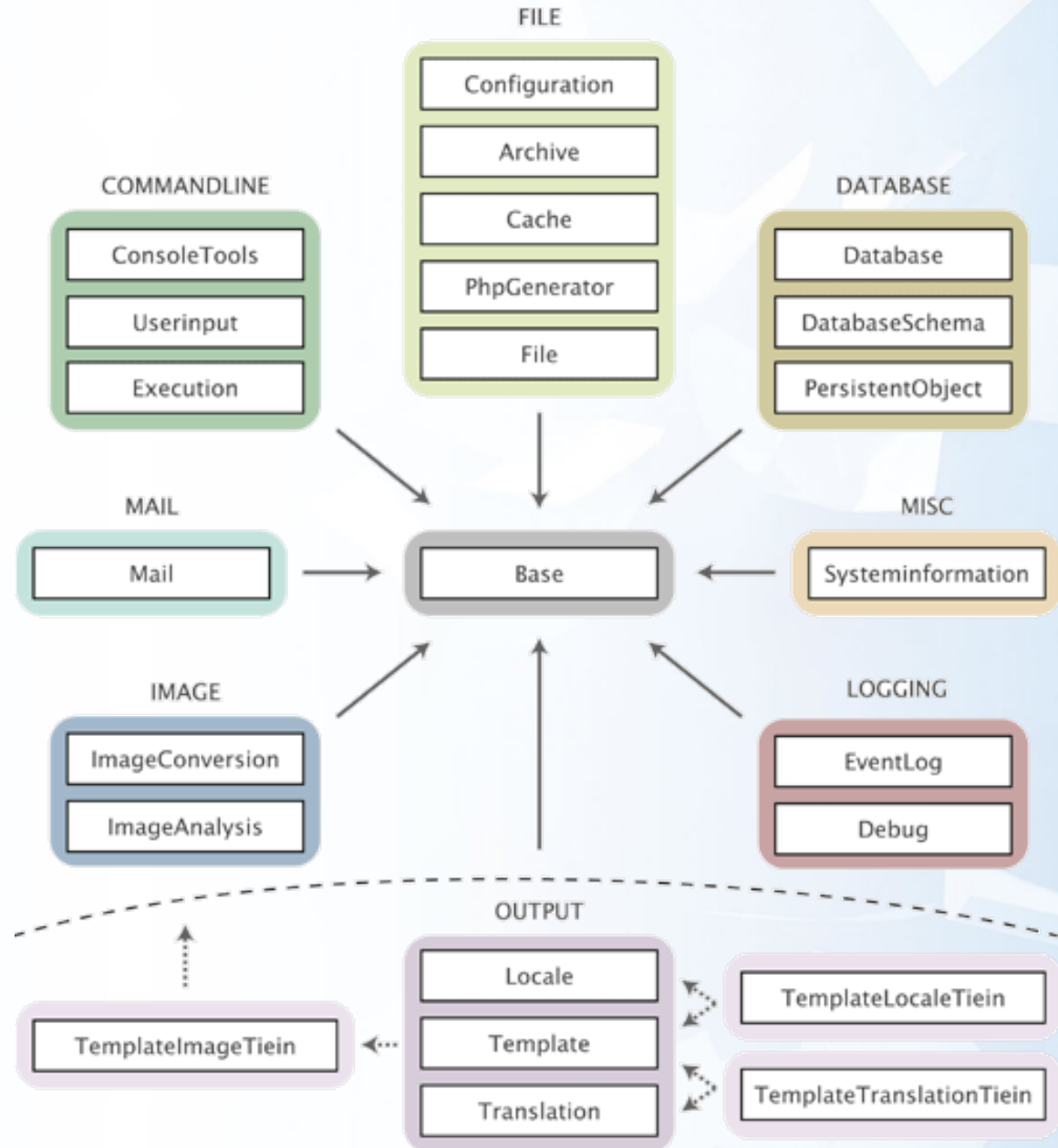
Dependencies

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



Overview

Share your information



Installation:

```
wget http://ez.no/downloads/ezcomponents-1.0.tar.bz2
tar -xjf ezcomponents-1.0.tar.bz2
pwd
```

Setup:

```
<?php
ini_set( 'include_path', '/home/httpd/ezcomponents/trunk:.' );
require 'Base/src/base.php';

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

ezcBase::checkDependency( 'Test', ezcBase::DEP_PHP_VERSION, '5.1.3' );
?>
```

Installation:

```
pear channel-discover components.ez.no
pear remote-list -c ezc
pear install ezc/ezcomponents
```

Setup:

```
<?php
require 'ezc/Base/base.php';

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

ezcBase::checkDependency( 'Test', ezcBase::DEP_PHP_VERSION, '5.1.3' );
?>
```



```
<?php
require 'ezc-setup.php';

$cfg = ezcConfigurationManager::getInstance();
$cfg->init( 'ezcConfigurationIniReader', dirname( __FILE__ ). '/cfg' );

$pw = $cfg->getSetting( 'example', 'db', 'password' );
echo "The password is '$pw'.\n";
?>
```

Archive

```
<?php
require 'ezc-setup.php';

$archive = ezcArchive::open( dirname( __FILE__ ) . '/test-archive.zip' );
foreach( $archive as $entry )
{
    if ( $entry->getPath() == 'archive-logo.jpg' )
    {
        $dir = dirname( __FILE__ );
        echo "Extracting {$entry->getPath()} to $dir.<br/><br/>\n";
        $archive->extractCurrent( $dir );
    }

    echo $entry, "\n";
}
?>
```



```
<?php
require 'ezc-setup.php';

class myExecutionHandler extends ezcExecutionBasicErrorHandler
{
    public static function onError( Exception $exception = NULL )
    {
        echo '<div class="shadow" style="margin: 1em 4em 0.8em 3em;"><div
class="output" style="font-size: 1.8em; margin: -0.555555555555556em 0 0
-0.555555555555556em; background: #eeee33;">';
        parent::onError( $exception );
    }
}

ezcExecution::init( 'myExecutionHandler' );

//ezcExecution::cleanExit();
?>
```

Supported Handlers:

- MySQL
- PostgreSQL
- Oracle
- SQLite

Using Instances:

```
<?php
require 'ezc-setup.php';

$db1 = ezcdbFactory::create( 'mysql://root@localhost/ezc' );
ezcdbInstance::set( $db1, 'ezc' );

$strunk = ezcdbFactory::create( 'mysql://root@localhost/eztrunk' );
ezcdbInstance::set( $strunk, 'ezt' );

$db = ezcdbInstance::get( 'ezt' );
echo $db->getName();
?>
```

```
<?php
require 'ezc-setup.php';
$db = ezcdbFactory::create( 'mysql://root@localhost/geolocation' );
$sq = $db->createSelectQuery();

$stmt = $sq->select( 'name', 'country', 'lat', 'lon' )
    ->from( 'city' )
    ->where(
        $sq->expr->like(
            'normalized_name', $sq->bindValue( 'oslo%' )
        )
    )
    ->orderBy( 'country', 'name' )
    ->prepare();
$stmt->execute();

foreach ( $stmt as $entry )
{
    list( $name, $country, $lat, $lon ) = $entry;
    printf( '%s, %s is @ %.2f%s %.2f%s<br/>',
        $name, $country,
        abs( $lat ), ( $lat > 0 ? "N" : "S" ),
        abs( $lon ), ( $lon > 0 ? "E" : "W" ) );
}
?>
```

```
<?php
require 'ezc-setup.php';
$session = new ezcPersistentSession(
    ezcDbInstance::get(),
    new ezcPersistentCodeManager( "path/to/definitions" )
);

// Creating New Objects
$object = new City();
$object->normalized_name = "dieren";
$object->name = 'Dieren';
$object->country = 'NL';
$session->save( $object );

// Finding Objects
$q = $session->createFindQuery( 'City' );
$q->where(
    $sq->expr->like( 'name', $sq->bindValue( 'oslo%' ) )
)
->orderBy( 'country', 'name' )
->limit( 10 );
$objects = $session->findIterator( $q, 'City' );

foreach ( $objects as $object )
{
    // ...
}
?>
```

```
<?php
require 'ezc-setup.php';
$dir = dirname( __FILE__ );
$mail = new ezcMailComposer();

$mail->from = new ezcMailAddress( 'john@doe.com', 'John Doe' );
$mail->addTo( new ezcMailAddress( 'dr@ez.no', 'Derick Rethans' ) );

$mail->subject = "Example of an HTML email with attachments";
$mail->plainText = "Here is the text version of the mail.
This is displayed if the client can not understand HTML";
$mail->htmlText = <<<ENDHTML
<html>
Here is the HTML version of your mail
with an image: <img src='file://$dir/consoletools-table.png' />
</html>
ENDHTML;

$mail->addAttachment( "$dir/mail.php" );
$mail->build();

echo "<pre><font size='5'>",
      htmlspecialchars(
          $mail->generateHeaders() . $mail->generateBody() );

$transport = new ezcMailTransportSmt( 'localhost', null, null, 2525 );
// $transport->send( $mail );
?>
```

What's Next?

New components:

- DatabaseSchema: DDL manipulation
- Feed: RSS/ATOM feeds
- Mail: Parsing mail
- PersistentObject: Integration with Database Schema
- Template: Templating Engine
- URL: Obtaining parameters from URLs and creating them

Questions and Resources

Questions anybody?

Resources:

- Download: http://ez.no/download/ez_components
- Documentation: <http://ez.no/doc/components/overview>
- Mailinglist: <http://lists.ez.no/mailman/listinfo/components>