

# Welcome!

## eZ Components

### Welcome!

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**<http://derickrethans.nl/talks.php>**

```
<div id="graph"> <iframe id="graphIn" src="http://kossu/test/  
allyourbase.svg"/> </div>
```

### New components:

- Authentication: Authentication against database, Typekey, (OpenID)
- Workflow: Workflow engine

### Additions to components:

- Database: SQL Server driver
- Graph: Radar charts, PDO data sets
- Mail: Caching, SSL support
- PersistentObject: Class stub generation
- Template: Caching

Roadmap: <http://issues.ez.no/RoadMap.php?Id=487>

### New components:

- Tree: Handling tree structures
- Webdav: Server-side support

### Additions to components:

- Authentication: Improved OpenID support
- Mail: Searching IMAP mailboxes, validating addresses, more authentication mechanisms
- Template: Translation and character set support

Roadmap: <http://issues.ez.no/RoadMap.php?Id=630>

### New components:

- Document: Document conversion tool
- Feed: RDF/RSS/ATOM feed parsing and generating, with support for modules
- Search: Search API towards Solr, Sphinx, Google, etc.

### Additions to components:

- Cache: Hierarchical caching
- Template: Translation and character set support

Roadmap: <http://issues.ez.no/RoadMap.php?Id=729>

- Support for multiple document formats: ReST, HTML, eZ Publish, wiki... etc
- Using docbook (simplified) as intermediate format
- Configurable renderers
- Shortcuts

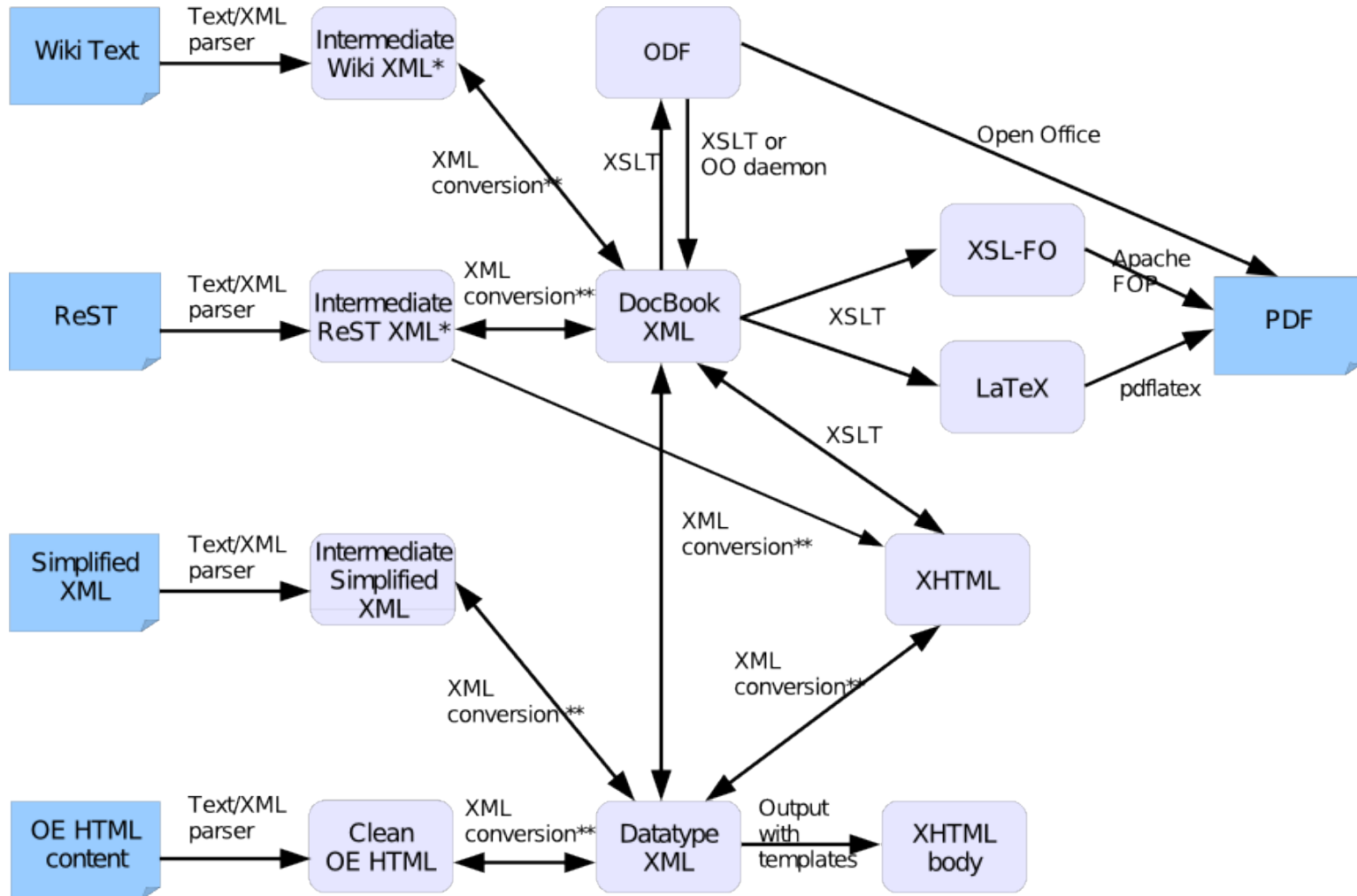
# Document

## Rendering ReST as XHTML

```
<?php
$document = new ezcDocumentRst();
$document->loadFile( $argv[1] );

$xhtml = $document->getAsXhtml();
echo $xhtml->save();
?>
```

# Document Overview



```
<pre style="font-size: 11px;">
<?php
require 'ezc-setup.php';

// setup feed and content module
$feed = new ezcFeed();
$feed->title = 'eZ components release feed';
$feed->link = 'http://components.ez.no/';
$feed->description = <<<ENDL
This feed shows all the latest components releases.
ENDL;
$feed->copyright = "eZ systems A.S.";
$feed->language = 'en-us';

// load data
$stmt = require 'feed-data.php';

foreach( $stmt as $release )
{
    $item = $feed->add( 'item' );
    $item->title = "{$release['package']} {$release['version']}";
    $item->link = "http://ez.no/doc/components/view/latest/
(file)/changelog_{$release['package']}.html";
    $item->description = $release['releasenotes'];
    $item->published = $release['releasedate'];
    $item->guid = md5( $item->title );
}

echo htmlspecialchars( $feed->generate( 'rss2' ) );
?>
```

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

try {
    $feed = ezcFeed::parse( 'http://components.ez.no/rss/rss2.xml' );
} catch ( Exception $e ) {
    $feed = ezcFeed::parse( dirname( __FILE__ ) . '/rss2.xml' );
}

echo "<b>{$feed->title}</b><br/><br/>\n";
foreach( $feed->item as $item )
{
    echo "<a href='{$item->link}'>{$item->title}</a><br/>";
    echo $item->Content->encoded, "<br/>";
}
?>
```

- Support for multiple backends
- Abstract documents
- Support for datatypes
- Rich searching API, including faceted search
- Easy query interface

```
<?xml version="1.0"?>
<document>
  <field type="id">id</field>
  <field type="text" boost="2">title</field>
  <field type="text">summary</field>
  <field inResult="false" type="html">body</field>
  <field type="date">published</field>
  <field type="string" multi="true">author</field>
</document>
```

## Setting up the manager:

```
<?php
$backend = new ezcSearchSolrHandler;

$session = new ezcSearchSession(
    $backend,
    new ezcSearchXmlManager( $testFilesDir )
);
?>
```

```
<?php
$session = new ezcSearchSession(
    $backend,
    new ezcSearchXmlManager( $testFilesDir )
);

$a = new Article(
    null, // id
    'Test Article', // title
    'This is an article to test', // description
    'the body of the article', // body
    time() // published
);
$session->index( $a );
?>
```

```
<?php
$session = new ezcSearchSession(
    $backend,
    new ezcSearchXmlManager( $testFilesDir )
);

$q = $session->createFindQuery( 'Article' );
$q->where( $q->eq( 'title', 'Article' ) );
->limit( 5 );
->orderBy( 'id' );

$r = $session->find( $q );

foreach ( $r->documents as $document )
{
    echo $document['document']->title, "\n";
}
?>
```

```
<?php
$session = new ezcSearchSession(
    $backend,
    new ezcSearchXmlManager( $testFilesDir )
);

$q = $session->createFindQuery( 'Article' );

new ezcSearchQueryBuilder(
    $q,
    'thunderball',
    array( 'fieldOne', 'fieldTwo' )
);

$q->facet( 'title' ); // keyword data field

$r = $session->find( $q );
foreach ( $r->documents as $document )
{
    echo $document['document']->title, "\n";
}
?>
```

This is a tentative roadmap

New components:

- MvcTools: Light weight MVC layer with Tieins

Additions to components:

- Base: Different development modes
- Document: Support for many more formats
- Search: More backends

Questions anybody?

## Resources:

- Download: <http://ezcomponents.org/download>
- Documentation: <http://ezcomponents.org/docs>
- Mailinglist: <http://lists.ez.no/mailman/listinfo/components>
- IRC: #ezcomponents @ Freenode
- These Slides: <http://derickrethans.nl/talks.php>