

# Zend\_Service\_LiveDocx - Jonathan Maron

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## Zend Framework: Zend\_Service\_LiveDocx Component Proposal

<b>Proposed Component Name</b>	Zend_Service_LiveDocx
<b>Developer Notes</b>	<a href="http://framework.zend.com/wiki/display/ZFDEV/Zend_Service_LiveDocx">http://framework.zend.com/wiki/display/ZFDEV/Zend_Service_LiveDocx</a>
<b>Proposers</b>	Jonathan Maron
<b>Zend Liaison</b>	...
<b>Revision</b>	<p>v1.2-20090810: version 1.2 released. New and updated features: i) performance enhancements, ii) save documents to XHTML 1.0 Transitional, iii) export documents to bitmap files, iv) generate smaller documents, v) append multiple documents together, and vi) retrieve list of available server-side fonts. Details at: <a href="http://is.gd/2arBA">http://is.gd/2arBA</a></p> <p>v1.0-20090515: Finished complete PHPUnit test cases (finally). Added 'convert-batch' sample application.</p> <p>v1.0-20090507: All traffic via LiveDocx is now encrypted with SSL. There is no longer the option to NOT SSL encrypt traffic. This helps developers use phpLiveDocx as safely as possible.</p> <p>v1.0-20090505: Updated autoloader to reflect changes in Zend Framework 1.8. For details, see <a href="http://is.gd/wwhC">http://is.gd/wwhC</a>.</p> <p>v1.0-20090421: Added third parameter to constructor, allowing connection to backend service to be encrypted with SSL.</p> <p>v1.0-20090217: Removed document sharing examples, as per new LiveDocx Service</p> <p>v1.0-20090204: Added first PHPUnit test cases.</p> <p>v1.0-20090202: Split into multiple components: Tis_Service_LiveDocx, Tis_Service_LiveDocx_MailMerge, Tis_Service_LiveDocx_Convert and Tis_Service_LiveDocx_Exception</p> <p>v1.0-20090129: Official start of phpLiveDocx.</p> <p>v1.0-20090121: Initial release and publication of <a href="http://www.phpLiveDocx.org">www.phpLiveDocx.org</a>.</p> <p>(wiki revision: 41)</p>

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## 1. Overview

Zend\_Pdf is a great component to generate PDF files with ZF. If you want to populate PDF templates with text, however, it can be very time consuming to get the positioning of the text fields just right. After having developed several ZF applications in which text had to be inserted into PDF templates, I knew there must be a better way and went about developing one.

The result is a family of components called Zend\_Service\_LiveDocx\_\*:

Zend\_Service\_LiveDocx\_MailMerge allows developers to generate documents by combining structured data from PHP with a template, created in a word processor. The resulting document can be saved as a PDF, DOCX, DOC or RTF file. The concept is the same as with mail-merge.

The following template file formats (input) are supported:

- DOCX - Microsoft Word DOCX Format
- DOC - Microsoft Word DOC Format
- RTF - Rich Text Format File
- TXD - TX Text Control Format

The following document file formats are supported:

- DOCX - Microsoft Word DOCX Format
- DOC - Microsoft Word DOC Format
- RTF - Rich Text Format File
- PDF - Acrobat Portable Document Format
- TXD - TX Text Control Format
- TXT - ANSI Plain Text

The Zend\_Service\_LiveDocx\_\* components are an implementation of the LiveDocx web services.

Learn more here: <http://www.phplivedocx.org/articles/brief-introduction-to-phplivedocx/>

Getting started guide: <http://www.phplivedocx.org/articles/getting-started-with-phplivedocx/>

Download classes and sample applications: <http://www.phplivedocx.org/downloads/>

Detailed article on why Zend\_Service\_LiveDocx is needed: <http://www.phplivedocx.org/2009/01/15/another-approach-to-ralf-eggerts-pdf-mit-zend/>

Basic example: <http://www.phplivedocx.org/2009/01/15/basic-phplivedocx-example/>

Advanced example: <http://www.phplivedocx.org/2009/01/23/more-advanced-phplivedocx-example/>

Example of how to convert DOC to PDF with phpLiveDocx (other formats also supported):  
<http://www.phplivedocx.org/2009/02/06/convert-doc-to-pdf-in-php/>

Contact the author: <http://www.phplivedocx.org/contact/>

NOTE: Another component Zend\_Service\_LiveDocx\_Convert is planned, but is not part of this proposal. It will be added later in the year. Zend\_Service\_LiveDocx\_Convert will allow developers to convert word processing files from one format to another. Using Zend\_Service\_LiveDocx\_Convert will simply be a matter of specifying the document and required format. For example, convert document.doc to PDF or document.docx to RTF.

## 2. References

- [phpLiveDocx](#) - project web site

### 3. Component Requirements, Constraints, and Acceptance Criteria

- LiveDocx - backend service
- LiveDocx.MailMerge WSDL

### 4. Dependencies on Other Framework Components

- Zend\_Pdf
- Zend\_Soap\_Client

### 5. Theory of Operation

Zend\_Service\_LiveDocx\_MailMerge allows developers to generate documents by combining structured data from PHP with a template, created in a word processor. The resulting document can be saved as a PDF, DOCX, DOC or RTF file.

Work flow:

1. Load template in Zend\_Service\_LiveDocx\_MailMerge.
2. Assign data to text fields in template.
3. Generate document.
4. Save as a PDF, DOCX, DOC or RTF file.

The Zend\_Service\_LiveDocx\_\* components are an implementation of the LiveDocx web services.

### 6. Milestones / Tasks

- Publish article on why Zend\_Service\_LiveDocx\_\* is needed (outline problems with current solutions)
- Publish proposal
- Publish PHP implementation
- Publish documentation
- Publish sample applications
- Publish unit tests
- Commit to incubator
- Commit to core

### 7. Class Index

- Zend\_Service\_LiveDocx
- Zend\_Service\_LiveDocx\_MailMerge
- Zend\_Service\_LiveDocx\_Exception

### 8. Use Cases

### 9. Class Skeletons

Please download the current implementation from [www.phpLiveDocx.org](http://www.phpLiveDocx.org): <http://www.phplivedocx.org/downloads/>

Note: In the above download files, Zend\_Service\_LiveDocx\_\* are called Zend\_Service\_LiveDocx\_\*. As soon as this proposal has been approved, the classes will be renamed to reflect the ZF coding guidelines.

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