eZ OpenDocument Format (eZODF) Extension

Documentation

version 1.0

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1. Introduction

The eZ OpenDocument Format (eZODF) extension is an integration between eZ Publish (versions 3.8 and higher) and OpenDocument Text (.odt) documents. It supports both importing and exporting .odt documents.

2. Requirements

This extension supports eZ Publish 3.8 and later. It might work on earlier versions back to 3.5, but this is not officially supported or recommended.

Either to have the *zlib* extension must be enabled in your PHP installation or you need to have the command line versions of *zip* and *unzip* available on your operating system. This is needed to create and unpack the zip files that make up OpenDocument Text (.odt) documents.

3. Installation

Unpack the tar.gz archive and place the *ezodf* folder under the *extension* folder in eZ Publish. Enable the eZODF extension in the eZ Publish **Administration Interface** under the **Setup->Extensions** menu.

Note: if you want to upload large documents you need to increase the upload memory limit in PHP. This is configured in php.ini.

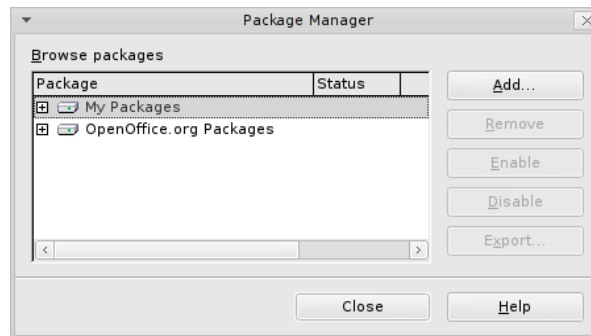## 3.1. *Microsoft Word import configuration*

To install Microsoft Word import support you need to do the following on your webserver:

1. Install OpenOffice.org 2.x
2. Install document conversion macros in OOo
3. Start the document conversion daemon

The reason you need to have OpenOffice.org installed is that eZ Publish uses it to first convert the Word file formats to OpenDocument Text format, which is then imported. Tested formats include .doc and .rtf.

3.1.1. Installation of OpenOffice.org macros

Go to the package manager interface in OpenOffice.org. This is done under **Tools -> Package Manager...**

Choose **My Packages** and click **Add...**

Select the file *extension/ezodf/doc/eZconversion.zip*.

3.1.2. Starting the document conversion daemon

The document conversion daemon is a PHP script bundled with the extension. It communicates with OpenOffice.org and does the actual conversion of documents.

The script needs to be started with the CLI version of PHP, which means that you need to execute the following command from the command line

```
$ php extension/ezodf/daemon.php
```

Note: You must compiled PHP with the following switches:

```
  --enable-cli
  --enable-pcntl
  --enable-sockets
```

Also, the document conversion daemon will only run under Linux, as socket support in PHP does not work under Windows.

4. Importing

To import OpenDocument Text (.odt) documents to eZ Publish you need to access the URL *example.com/index.php/ezodf/import*. Replace the *example.com/index.php* part with the correct URL for the **Administration Interface** of your eZ Publish site.

The import screen is shown below. Here you browse for the .odt file to import, then click the **Upload file** button.

After uploading the file, you need to place it in the eZ Publish content node tree. The standard eZ Publish browse window is shown below. Find the container under which to import the file, select its corresponding radio button, then click the **OK** button. If you want to cancel the import, simply press the **Cancel** button.

If the import is successful you will see the screen below. Here there is a link to the imported object and a link to import more files.

4.1. Configuring imported documents

A standard OpenDocument Text (.odt) document imports into the default eZ Publish content class in eZ Publish. Here, the title of the object is set from the filename and the actual contents of the document are stored in the attributes defined in odf.ini in the *extensions/odf/settings/* folder.

See the settings below for a configuration example where documents are imported as articles, the title is stored in the *title* attribute and the document contents are stored in the *body* attribute.

```
[ODFImport]
DefaultImportClass=article
DefaultImportTitleAttribute=title
DefaultImportBodyAttribute=body
```

You can define sections in .odt documents to map to eZ Publish attributes. For example, you can define sections in an .odt document for the title, introduction and body to be automatically imported to an article, while another document is imported as a product.

This is configured in odf.ini. There are sample documents under the *examples/* folder in the eZODF extension that can be used for testing this extension.

4.2. Supported datatypes

When importing OpenDocument Text (.odt) documents there are some limitation on the datatypes to which it can import content. Currently the following datatypes are supported:

● Text line
● Text fields
● XML text
● Image
● Date
● Date and time
● Matrix

4.3. Supported formatting

When importing text into XML Text fields the following formatting is supported:

● Normal text

- Bold and italic text spans
- Text links
- Custom tags (such as a factbox)
- Numbered and un-numbered lists (one level)
- Headers (multiple levels)
- Tables (without collapsed rows or columns)
- Embedded images
  - Alignment and size are supported
  - Image captions are not supported

5. Exporting

Any content object in eZ Publish can be exported to OpenDocument Text (.odt) documents. There are however some limitations on the datatypes supported.

5.1. Supported datatypes

The following datatypes are currently supported:

- Text line
- Text field
- XML text
- Image
- Date
- Date and time
- Matrix

5.2. Supported formatting

When exporting XML text, the following formatting is currently supported.

- Normal text
- Text links
- Custom tags (such as a factbox)
- Headers
- Numbered and un-numbered lists
- Tables (without collapsed rows or columns)
- Embedded images

5.3. Export action
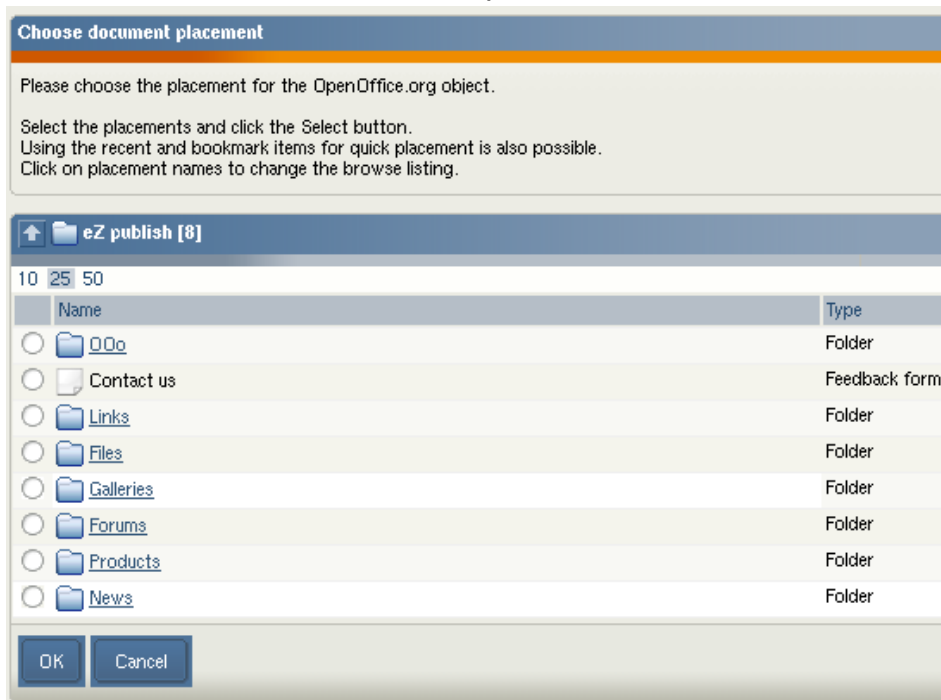
To do the actual object export you need to access the URL *example.com/index.php/ezodf/export*. Replace the *example.com/index.php* part with the correct URL for the **Administration Interface** of your eZ Publish site. The initial export
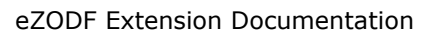
screen is shown in the screenshot below.

Click the **Export Object** button to proceed to the browse screen shown below. Here you navigate and select the object to export. Currently you can only export one object at a time; sub items are not included in the export.

After selecting the object for export and clicking on the **OK** button, eZ Publish will perform the actual export action. The document is served via the browser; you can choose to either download the document or open it directly in OpenOffice.org Writer (if properly installed on your computer) or a similar word processor that supports .odt documents. The screenshot below shows a preview of an exported object. Notice the headers and footers; these are defined in standard OpenOffice.org Writer templates.

5.4. Export templates

OpenDocument Text (.odt) documents can be exported using either the default OpenOffice.org styles or with a custom OpenOffice.org Writer template file. This is configured in the *ODFExport* section of the odf.ini file. Set *UseTemplate* to *true* to enable the export using templates. The actual template used needs to be placed under the *extension/ezodf/templates/* folder. The name of the file is set with *TemplateName*. Below is an example of this configuration.

```
[ODFExport]
UseTemplate=true
TemplateName=eztemplate.stw
```