eZ OpenDocument Format (eZODF) extension

Documentation

The eZ OpenDocument Format (eZODF) extension is an integration between eZ Publish 3.8 and higher and OpenDocument Text (.odt) documents. It supports both import and export of OpenDocument Text documents.

Requirements

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

You also need either to have the zlib extension enabled in your PHP version 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 which makes up the OpenDocument Text documents.

Install extension

Unpack the tar.gz archive and place the ezodf folder under the extension folder in eZ Publish, normally "extension". Then go to the setup tab in eZ Publish and enable the ezodf extension 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.

Microsoft Word import configuration

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

1. Install OpenOffice.org 2
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 convert the unknown file formats to OpenDocument Text format which is then imported. Tested formats include .doc and .rtf.

Installation of OpenOffice.org macros

Go to the package manager interface in OpenOffice.org. This is done via the menus in OpenOffice.org:

- Tools -> Package Manager...

eZ publish

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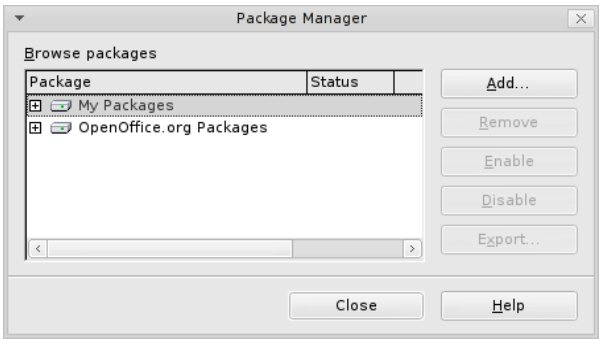

Choose My Packages and click Add...

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

Todo: In future releases the socket daemon can be installed on a different computer so you do not have to have OpenOffice.org 2 installed on the webserver.

Starting the document conversion daemon

The document conversion daemon is a PHP script which is 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

That's it.

Note: The document conversion daemon will only run under Linux since
the socket support in PHP does not work under Windows.

Note: To get the daemon to work you need to have compiled PHP with the
following switches:
  --enable-cli
  --enable-pcntl
  --enable-sockets
```

Import

To import OpenDocument Text (.odt) documents into 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.

When accessing the /ezodf/import URL in your eZ publish the screen shown below is shown. Here you browser for the .odt file you would like to import followed by clicking the “Upload file” button.

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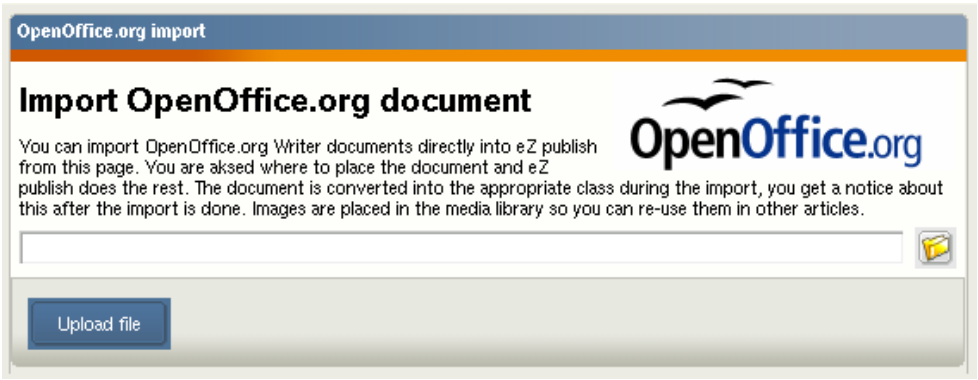
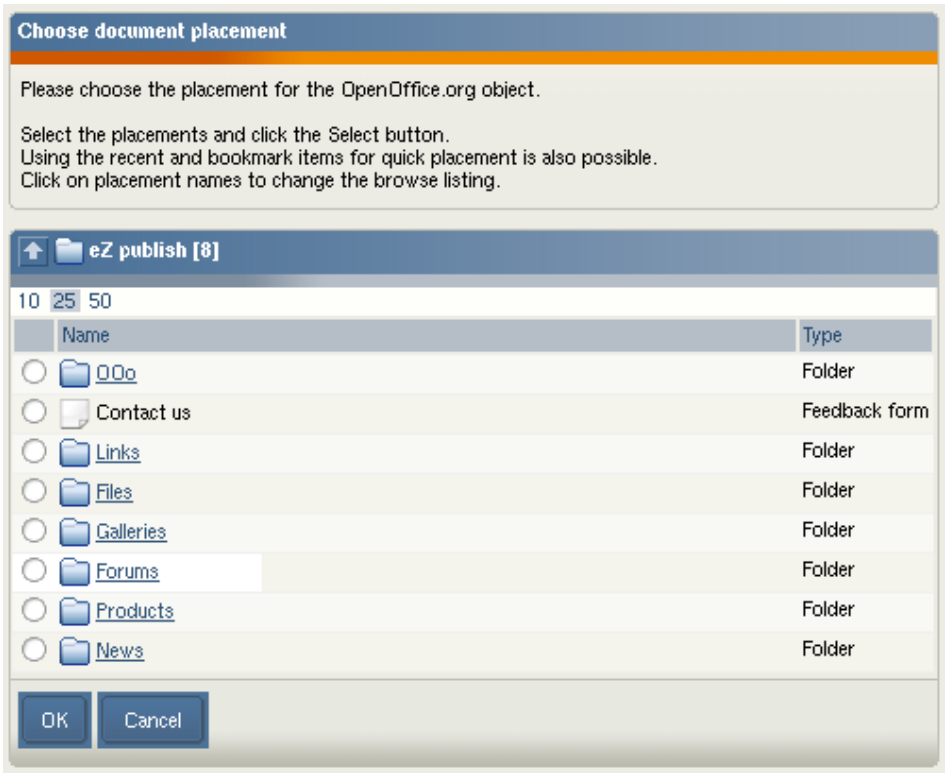


After selecting the file to import you need to select where the file should be imported to. You are then presented the standard eZ Publish browse window as shown below. Select the folder you wish to import your file to and click “Ok”. If you want to cancel the import simply press “Cancel”.



If the import is successful the screen below is shown. Here you get a link to the imported object and a link to import more files.

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Configuring imported documents

There are two possibilities of importing OpenDocument Text (.odt) documents into eZ Publish. The first is to use a standard OpenDocument Text (.odt) document which 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 is stored in the attribute defined in odf.ini.

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

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

You have the possibility of defining several different types of content in eZ Publish. You can define sections in OpenDocument Text (.odt) documents which can map to eZ Publish attributes. E.g. you can define a section in OpenDocument Text (.odt) for title, introduction and body and this can be imported automatically to an article while another document is imported as a product.

This is configured in odf.ini. See the examples for sample documents in the examples folder for this extension.

There are some documents under examples/ in the ezodf extension which you can use to test the import to eZ Publish.

Supported datatypes

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

- Text line
- Text fields

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- XML Text
- Image
- Date
- Date and time
- Matrix

Supported formatting

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

- Normal text
- Bold and italic text span
- Text links
- Custom tags (e.g 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

Export

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

Supported datatypes

The following datatypes are currently supported:

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

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Supported formatting

When exporting XML Text fields the following formatting is currently supported.

- Normal text
- Text links
- Custom tags (e.g factbox)
- Headers
- Numbered/un-numbered lists
- Tables (without collapsed rows or columns)
- Embedded Images

Exporting

To do the actual object export you need to access the URL /ezodf/export in your eZ Publish installation. 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 you want to export. Note: Currently only one object is supported for export, sub objects are not included in the export.

After selecting the object for export and clicking on the “Ok” button eZ Publish will start the actual export. The document is served via the browser, you can choose do either download the document or open it directly in e.g OpenOffice.org Writer (if properly installed on your computer). The screenshot below shows a preview of an exported object via eZ Publish. Notice the headers and footers, these are defined in standard OpenOffice.org Writer templates.

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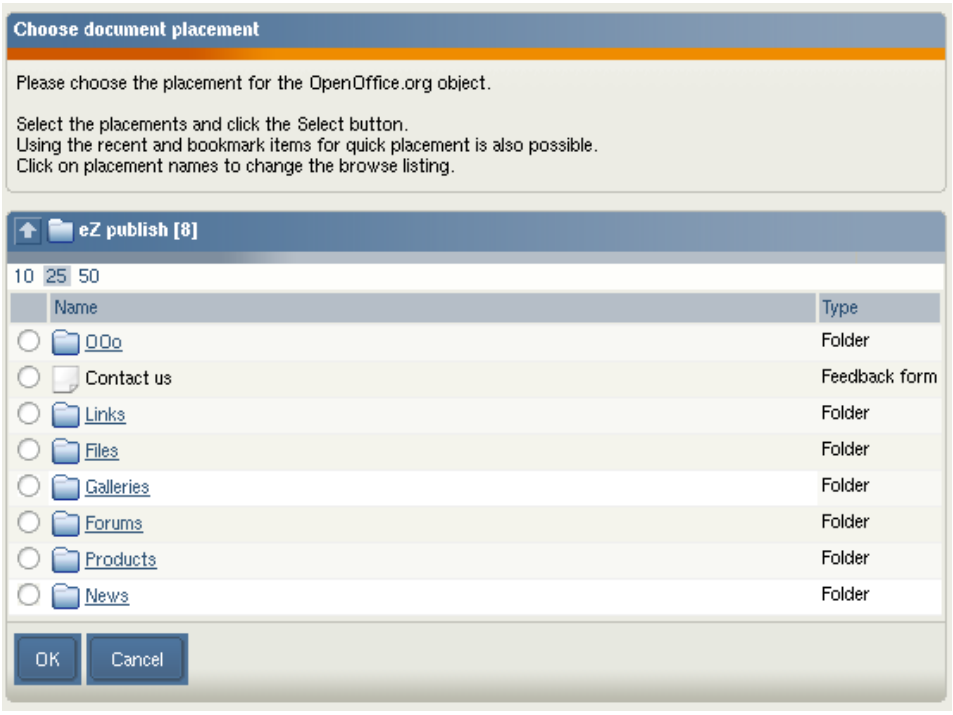

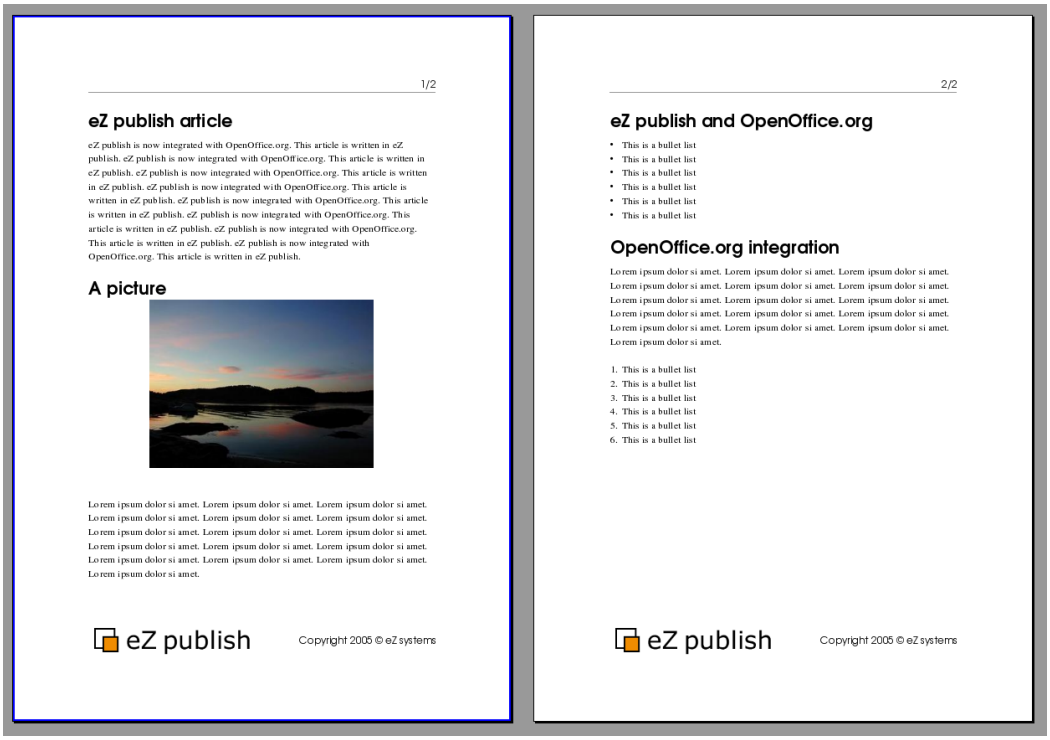

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Export templates

You can make eZ Publish export OpenDocument Text (.odt) documents using either the default OpenOffice.org styles or you can use an existing OpenOffice.org Writer template file. This is configured in 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/. The name of the file is set with TemplateName. Both of these settings are under the ODFExport section in the odf.ini file. Below you can see an example of this configuration.

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


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