

# Installation

This chapter describes the installation of the PDF catalogue extension for eZ Publish step by step. It is assumed that you already downloaded the archive that contains the extension. If a step is only required for one of the two variants (dedicated PDF catalogues or common PDF catalogue) this is mentioned within that step.

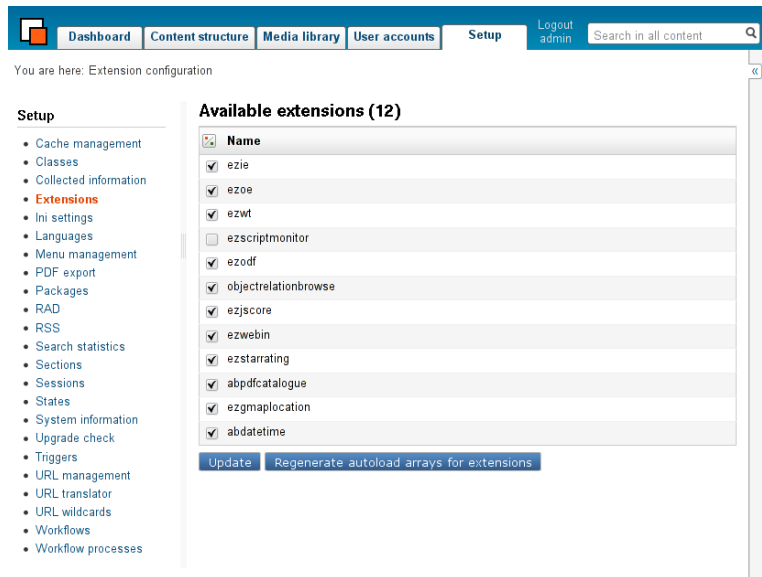
Before you start to install the PDF catalogue you should make sure that all requirements are performed:

- You already installed an **eZ Publish** version  $\geq 4.0.4$ .
- Within the eZ Publish installation there exists a content class with the identifier "**file**" and an attribute of the type ezbinaryfile (*dedicated PDF catalogues*).
- On your operating system there is a Java version (JRE or SDK) installed (*common PDF catalogue*)
- The PHP version in use has support for **JSON** compiled in and optionally the **libxml** PECL extension for PHP is installed (this extension will be used to reduce the length of the link to a dedicated PDF catalogue if it is send as a recommendation by email).
- Browsers: The PDF catalogue extension has been tested with **Internet Explorer 8** (not in any compatibility mode) and **Firefox 3.6.x**. Therefore it is possible that the layout / functionality in different browser is not as supposed to be.

If all requirements are performed you can start to install the extension.

- I. Unpack the archive to your local hard disk using your favourite tool
- II. Content class installation (*dedicated PDF catalogues*)
  1. Login as an administrator user (for example "admin") to the administration interface of the eZ Publish installation
  2. Navigate to "Setup" and "Packages" by clicking with the left mouse button on the corresponding links.
  3. Click on the button "Import new package".
  4. Click on the button or icon that allows you to select a file from your local hard disk for uploading a file.
  5. Select the following file from within the PDF catalogue extension

`ezpackages/contentclasses/<EZ_VERSION>/pdfcatalogueclasses-<VERSION>.ezpkg`



The place holders <EZ\_VERSION> and <VERSION> should be replaced with version numbers that fit your eZ Publish installation best.

6. Click on the button "Import package" and in the upcoming dialogue on "Install package" to import the content classes that are required for the PDF catalogue. If the package can not be installed, the installation can also be done manually. Therefore navigate to `var/storage/packages/local` and create a directory `pdfcatalogueclasses` in it. Change into the newly created directory and manually unpack the package using `tar xfz pdfcatalogueclasses-<VERSION>.ezpkg`. Afterwards you can import the package as described above.
7. Click on "Classes" in the left menu to verify if the three new classes (prefixed with "PDF") have been installed. Otherwise verify if the error log file (located for example in `var/log/error.log`) indicates any kind of error you can post in a report.

### III. PDF catalogue extension installation

1. Use your favourite tool (for example an ftp client) to transfer the extension that you already unpacked in step I. to the web server hosting your eZ Publish installation. Therefore the folder "abpdfcatalogue" in the archive must be copied to the "extension" directory located in the eZ Publish / web server root directory.
2. Activate the extension in the site.ini configuration file. If you want to activate the extension globally (for all siteaccesses) you can typically add the following line below the configuration block [ExtensionSettings] in the file `settings/override/site.ini.append.php`:  
`ActiveExtensions[]=abpdfcatalogue`. If you intend to use the extension only for dedicated siteaccesses, you will have to add the following line below the same configuration block in the file `settings/siteaccess/<NAME>/site.ini.append.php` (where the place holder <NAME> must be replaced with the name of the siteaccess):  
`ActiveExtensions[]=abpdfcatalogue`. If your eZ Publish installation makes use of a settings extension to be configured it is possible that the settings mentioned above have to be change in the settings directory of an extension:  
`extension/<NAME>/settings/site.ini.append.php` (for example).

### IV. Adjust the settings for JavaScript and design

1. The `extension/abpdfcatalogue/settings/siteaccess/eng/design.ini.append.php` file shows an example, how to make sure the required files of the Yahoo interface library could be included into your eZ Publish installation. If you intend to use the files shipped with the extension, you can just remove the comments from that file. Please also have a look at the ezjscore extension to verify if you could improve the performance of your installation with respect to javascript and stylesheet files. If you already use YUI stylesheets or javascript files in other extensions, it could be wise to do these settings somewhere else. However, this file shows which files are required and in which order they have to be loaded. As an example, the `design.ini.append.php` file (located in

settings/siteaccess/<NAME>/) of a typical Website Interface installation already uses parts of the YUI library and looks like this (eZ Publish 4.2.0):

```
[StylesheetSettings]
SiteCSS=var/storage/packages/.../default/file/site-colors.css
ClassesCSS=var/storage/packages/.../default/file/classes-colors.css
CSSFileList[]=yui/build/calendar/assets/calendar.css
```

```
[JavaScriptSettings]
JavaScriptList[]=yui/build/calendar/calendar-min.js
JavaScriptList[]=ezdatepicker.js
```

To integrate the files required for the PDF catalogue extension, the settings must be changed as follows:

```
[StylesheetSettings]
SiteCSS=var/storage/packages/.../default/file/site-colors.css
ClassesCSS=var/storage/packages/.../default/file/classes-colors.css
CSSFileList[]=yui/fonts/fonts-min.css
CSSFileList[]=yui/build/calendar/assets/calendar.css
CSSFileList[]=yui/tabview/assets/skins/sam/tabview.css
```

```
[JavaScriptSettings]
JavaScriptList[]=insertmedia.js
JavaScriptList[]=yui/yahoo-dom-event/yahoo-dom-event.js
JavaScriptList[]=yui/animation/animation-min.js
JavaScriptList[]=yui/build/calendar/calendar-min.js
JavaScriptList[]=yui/connection/connection-min.js
JavaScriptList[]=yui/dragdrop/dragdrop-min.js
JavaScriptList[]=yui/get/get-min.js
JavaScriptList[]=yui/json/json-min.js
JavaScriptList[]=yui/element/element-min.js
JavaScriptList[]=yui/tabview/tabview-min.js
JavaScriptList[]=ezdatepicker.js
```

The tricky thing here is the order in which the files are included (which is important when using parts of the YUI library). You can use the YUI dependency configurator to find out the correct order of these files: <http://developer.yahoo.com/yui/articles/hosting/>.

2. In the abpdfcatalogue you can find an example configuration for a siteaccess named "eng":  
extension/abpdfcatalogue/settings/siteaccess/eng. Depending on your installation you will have to either rename the directory `eng` to the name of the siteaccess for which you want to activate the PDF catalogue or in other cases (you want to use it for more than one siteaccess, you are using a settings extension, you want to configure it directly in the `settings/siteaccess/` folder, etc.) you have to copy / merge those files to other locations.
3. Have a look at the other configuration files located in `extension/abpdfcatalogue/settings/` to make sure they can be used as is. Perhaps you want to move some of the settings to other locations / files. The settings are designed to work with a siteaccess `eng` of a default eZ Publish installation that makes use of the website interface.

V. Adjust settings for introduction, appendix, etc. (*common PDF catalogue*)

The common PDF catalogue must be configured in the following ini file:  
`extension/abpdfcatalogue/settings/pdfcatalogue.ini.append.php`

The settings can be found below the configuration block `[CommonCatalogueSettings]`. Each setting is described in detail within the ini file itself. By default, all settings are commented out. It is up to you and depends on your installation to enable them within the `abpdfcatalogue` extension, by removing the comments or to apply the settings in a different location by copying and modified them afterwards.

VI. Make class icons available in the admin interface (optional)

If you would like to make use of the class icons, so that content objects of the PDF catalogue classes will get their own icon when displayed in the admin interface, proceed as follows.

1. Investigate the `icon.ini` (for example and by default in `settings/siteaccess/<YOUR_ADMIN>`) in your eZ Publish installation, to figure out which theme is used (by default it is `crystal-admin`).

2. Copy the icon files from `extension/abpdfcatalogue/design/standard/images/icons/16x16` into the theme directory that can be found in `share/icons/<THEME>`. In that directory choose the subdirectory that contains the icons tagged with "small" (see `icon.ini` in the theme). Within that subdirectory the PDF catalogue icons must be placed in the subdirectory "apps". So, by default the icons have to be copied into the directory `share/icons/crystal-admin/16x16_indexed/apps`.

Proceed in the same way with the "normal" icon size and copy the icons from the `pdfcatalogue` extension directory `extension/abpdfcatalogue/design/standard/images/icons/32x32` into the subdirectory of the theme accordingly (by default it is `share/icons/crystal-admin/32x32/apps`).

3. Uncomment the settings in `extension/abpdfcatalogue/settings/icon.ini.append.php` to let eZ Publish make use of the added icons.

VII. Adjust further settings

In most cases it will be necessary to adjust not only the settings in the `abpdfcatalogue` extension, but also the settings in other extensions or in the default location. This highly depends on your installation and it is not possible to foresee how you will have to modify your settings. However, you can at least have a look at the settings done in the `abpdfcatalogue` extension and only these settings are important for the PDF catalogue to work.

A common example is related to the Website Interface design that can be chosen during the installation of eZ Publish. The menu settings for the Website Interface are configured in:

`extension/ezwebin/settings/menu.ini.append.php`

If you make use of the Website Interface and you would like dedicated PDF catalogue content objects to appear in the left or in the top menu of your frontend `siteaccess`, you will have to modify the settings for the

dedicated PDF catalogues in the mentioned file and add `ab_pdf_catalogue` as a key to the `TopIdentifierList[]` and / or `LeftIdentifierList[]` configuration option. But you will most likely figure that out when having a look at:

```
extension/abpdfcatalogue/settings/menu.ini.append.php.
```

#### VIII. Integrate a template in the `pagelayout.tpl` (*common PDF catalogue*)

If you want to make use of the common PDF catalogue functionality, you will have to integrate the following template in the (or any) `pagelayout.tpl` used to display contents on a frontend site access:

```
extension/abpdfcatalogue/design/standard/templates/pdfcatalogue/commoninclude.tpl
```

This can be done with the following piece of template code:

```
{if and( is_set( $module_result.node_id ),
        is_set( $module_result.content_info.class_identifier ),
        is_set( $module_result.uri )
      )}

  {include
    uri = 'design:pdfcatalogue/commoninclude.tpl'
    source_node_id = $module_result.node_id
    source_node_class_identifier = $module_result.content_info.class_identifier
    source_node_uri = $module_result.uri
  }

{/if}
```

To make sure there occur no caching related issues, you should perhaps first try to insert this piece of code at the end of the `pagelayout.tpl` outside of any cache block. The location of the correct `pagelayout.tpl` within a website interface installation is here:

```
extension/ezwebin/design/ezwebin/templates/pagelayout.tpl
```

#### IX. Adjust the print stylesheet (*common PDF catalogue*)

Sometime the layout of the web pages is not optimized for printing. Therefore it is a good idea to verify, if the layout of the web pages is correct when printing the page. To do so, you can temporarily change the media of the print stylesheet from "print" to "screen". Typically you will find the following line in any web page:

```
<link rel="stylesheet" type="text/css" href="{stylesheets/print.css|ezdesign}" media="print" />
```

This line can be modified as follows, to verify how the page will be displayed when printing the page.

```
<link rel="stylesheet" type="text/css" href="{stylesheets/print.css|ezdesign}" media="screen" />
```

The location of the template in which this line can be found depends on your installation. Within a typical Website Interface installation this is

```
extension/ezwebin/design/ezwebin/templates/page_head_style.tpl
```

or

```
extension/ezjscore/design/ezwebin/templates/page_head_style.tpl
```

To figure out the correct location of the template you can set `Debug=enabled` below the configuration block `TemplateSettings` in the `site.ini` configuration file.

You should make sure that the complete width of the page is used and areas, that do not belong to the content area, are not displayed. In the latest eZ Publish Website Interface installations this can be done by adding the following lines to the end of the file

```
extension/ezwebin/design/ezwebin/stylesheets/print.css
```

```
div#page
```

```
{
    width: 100%;
}

div#header-position
{
    display: none;
}
```

## X. Clear caches

1. Make sure that at least the ini cache, view cache and the override cache are cleared before you start to use the abpdfcatalogue extension. This can be done from within the administration interface by clicking on "Setup" and "Cache management".

## XI. Update the autoloads

1. To update the autoloads array, you can navigate to "Setup" and "Extension" and finally click on the button "Regenerate autoload arrays for extensions". Optionally you can use the following tool on the command line, if you have shell access to your eZ Publish installation: `php bin/php/ezpgenerateautoloads.php -e`.

## XII. Adjust the permissions

To enable your users to use the PDF catalogue, it is necessary to adjust the permissions of the group(s) the users belong to. This depends on your installation. However, most likely you will have to edit a role and add a policy to that role.

1. Login as an administrator user (for example "admin") to the administration interface of the eZ Publish installation.
2. Navigate to "User accounts" and click on "Roles and policies" on the left hand side.
3. Choose your preferred role (in most cases "Anonymous" will work but is perhaps not the best choice, because anybody will be able to use the PDF catalogue, even if not logged in) and click on the edit icon of that role.
4. Click on "New policy".
5. Choose "pdfcatalogue" as the name of the module and click on "Grant access to one function".
6. Choose "generate" as the name of the function and click on "Grant full access". This will allow users to generate a PDF catalogue.
7. Click on "New policy".
8. Choose "pdfcatalogue" as the name of the module and click on "Grant access to one function".
9. Choose "send" as the name of the function and click on "Grant full access". This will allow users to send a PDF catalogue by email to somebody else.
10. Click on "New policy".
11. Choose "content" as the name of the module and click on "Grant access to one function".
12. Choose "read" as the name of the function and click on "Grant limited access".
13. Choose "File" in the "Class" selection. This will allow the users to read each PDF file separately (preview of PDF documents, before

- adding them to the PDF catalogue).
14. Click on "Ok" to store the changes in the role.

The installation is finished now and you can continue to create your first PDF catalogue.