

# **Akeeba DocImport User's Guide**

**Nicholas K. Dionysopoulos**

---

# Akeeba DocImport User's Guide

Nicholas K. Dionysopoulos

Publication date December 2013

Copyright © 2013 Akeeba Ltd

## Abstract

This book covers the use of the Akeeba DocImport component which allows you to easily convert DocBook 5 XML documents to interactive documentation on your Joomla!™-powered web sites.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license can be found on-line at <http://www.gnu.org/licenses/fdl.html>.

---

---

# Table of Contents

I. User's Guide .....	1
1. Introduction and installation .....	3
1. Introducing Akeeba DocImport .....	3
2. Requirements and compatibility .....	3
2. Installation, updates and upgrades .....	4
1. Installing Akeeba DocImport .....	4
1.1. Installing or manually updating the component .....	4
1.1.1. Upload and install. ....	4
1.1.2. Manual installation .....	5
2. Automatic updates .....	6
3. The CLI update notification and automatic update script .....	7
4. Requesting support and reporting bugs .....	10
5. Uninstallation .....	10
3. Initial set-up and usage .....	11
1. Overview .....	11
2. The Control Panel page .....	11
3. Categories management .....	11
4. Articles management .....	13
5. Automating the category rebuild .....	13
II. Appendices .....	15
A. GNU Free Documentation License .....	17

---

# Part I. User's Guide

---

---

# Table of Contents

1. Introduction and installation .....	3
1. Introducing Akeeba DocImport .....	3
2. Requirements and compatibility .....	3
2. Installation, updates and upgrades .....	4
1. Installing Akeeba DocImport .....	4
1.1. Installing or manually updating the component .....	4
1.1.1. Upload and install. ....	4
1.1.2. Manual installation .....	5
2. Automatic updates .....	6
3. The CLI update notification and automatic update script .....	7
4. Requesting support and reporting bugs .....	10
5. Uninstallation .....	10
3. Initial set-up and usage .....	11
1. Overview .....	11
2. The Control Panel page .....	11
3. Categories management .....	11
4. Articles management .....	13
5. Automating the category rebuild .....	13

---

# Chapter 1. Introduction and installation

## 1. Introducing Akeeba DocImport

Akeeba DocImport is a component which allows you to offer interactive on-line documentation from DocBook 5 XML source files. The idea is that you just need to upload your DocBook XML files and associated media files (e.g. images) in a subdirectory of the media directory and let the component convert them to HTML articles. The generated HTML articles are managed by DocImport itself.

Key features:

- Automatic DocBook XML to HTML conversion
- Rich styling of several DocBook elements, such as guibutton, guilabel and so on
- Beautiful SEF URLs without the need of a third party SEF component
- SEF URL cache to speed up the component
- Full text index of the articles' text, allowing for faster search
- Integration with Akeeba Ticket System, with DocImport acting as the FAQ source for Ticket System

### Warning

Akeeba DocImport is a developer's product. It may be difficult for end users and site integrators to use. That's by design! Frankly, unless you are a hardcore developer, what are you doing messing around with DocBook XML? It's not like it is the easiest publishing format on this planet. If you are looking for something very easy to use to publish articles or structured FAQs on your site please look at one of the FAQ or CCK extensions for Joomla! at the Joomla! Extensions Directory.

## 2. Requirements and compatibility

Akeeba DocImport requires the following server-side configuration:

- Joomla!™ and PHP version compatibilities are detailed in our Version Compatibility matrix [<https://www.akeebabackup.com/compatibility.html>].
- MySQL 5.0.41 or later. Earlier database server versions will not be supported. Do note that earlier releases of MySQL are obsolete and not supported any more by Oracle (the company who controls the development of MySQL).
- XSL and XML support in PHP
- Tons of available PHP memory, a big execution time, a very fast server and a lax CPU usage limit (or no CPU usage limit at all). Converting XML to HTML is a very resource intensive process, make no mistake!

---

# Chapter 2. Installation, updates and upgrades

## 1. Installing Akeeba DocImport

Installing Akeeba DocImport is no different than installing any other Joomla!™ extension on your site. You can read the complete instructions for installing Joomla!™ extensions on the official help page [<http://help.joomla.org/content/view/1476/235/>]. Throughout this chapter we assume that you are familiar with these instructions and we will try not to duplicate them.

### 1.1. Installing or manually updating the component

Just like with most Joomla! extensions there are two ways to install or manually update Akeeba DocImport on your site:

- Upload and install. That's the typical extension installation method for Joomla! extensions. It rarely fails.
- Manual installation. This is the hardest, but virtually fail-safe, installation method.

Please note that installing and updating Akeeba DocImport (and almost all Joomla! extensions) is actually the same thing. If you want to update Akeeba DocImport please remember that you **MUST NOT** uninstall it before installing the new version! When you uninstall Akeeba DocImport you will lose all your settings. This is definitely something you do not want to happen! Instead, simply install the new version on top of the old one. Joomla! will figure out that you are doing an update and will treat it as such, automatically.

#### Tip

If you find that after installing or updating Akeeba DocImport it is missing some features or doesn't work, please try installing the same version a second time, without uninstalling the component. The reason is that very few times the Joomla! extensions installer infrastructure gets confused and fails to copy some files or entire folders. By repeating the installation you force it to copy the missing files and folders, solving the problem.

#### 1.1.1. Upload and install.

You can download the latest installation packages our site's download page for Akeeba DocImport [<https://www.akeebabackup.com/downloads/docimport.html>]. Please note that the latest version is always on top. If you have an older version of Joomla! or PHP please consult our Compatibility page [<https://www.akeebabackup.com/compatibility.html>] to find the version of Akeeba DocImport compatible with your Joomla! and PHP versions. In either case click on the version you want to download and install.

Click on the Akeeba DocImport item to download the ZIP installation package.

All Akeeba DocImport installation packages contain the component and all of its associated extensions. Installing it will install all of these items automatically. It can also be used to upgrade Akeeba DocImport; just install it *without* uninstalling the previous release.

In any case, do not extract the ZIP files yet!

#### Warning

**Attention Mac OS X users!** Safari, the default web server provided to you by Apple, is automatically extracting the ZIP file into a directory and removes the ZIP file. In order to install the extension through Joomla!'s

extensions installer you must select that directory, right-click on it and select Compress to get a ZIP file of its contents. This behaviour was changed in Mac OS X Mountain Lion, but people upgrading from older versions of Mac OS X (Mac OS X Lion and earlier) will witness the old, automatic ZIP extraction, behaviour.

Log in to your site's administrator section. Click on Extensions, Manage link on the top menu. If you are on Joomla! 3.x please click on the Upload Package File tab. Locate the Browse button next to the Package File (Joomla! 2.5, 3.0 and 3.1) or Extension package file (Joomla! 3.2 and later) field. Locate the installation ZIP file you had previously downloaded and select it. Back to the page, click on the Upload & Install button. After a short while, Joomla!™ will tell you that the component has been installed.

## Warning

Akeeba DocImport is a big extension (over 2Mb for the Professional release). Some servers do not allow you to upload files that big. If this is the case you can try the Manual installation or ask your host to follow our installation troubleshooting instructions [<https://www.akeebabackup.com/documentation/troubleshooter/abinstallation.html>] under "You get an error about the package not being uploaded to the server".

If you have WAMPserver (or any other prepackaged local server), please note that its default configuration does not allow files over 2Mb to be uploaded. To work around that you will need to modify your `php.ini` and restart the server. On WAMPserver left-click on the WAMP icon (the green W), click on PHP, `php.ini`. Find the line beginning with `upload_max_filesize`. Change it so that it reads:

```
upload_max_filesize = 6M
```

Save this file. Now, left-click on the WAMP icon, click on Apache, Service, Restart Service and you can now install the component. Editing the `php.ini` file should also work on all other servers, local and live alike.

If the installation did not work, please take a look at our installation troubleshooting instructions [<https://www.akeebabackup.com/documentation/troubleshooter/abinstallation.html>] or try the manual installation described below.

### 1.1.2. Manual installation

Sometimes Joomla!™ is unable to properly extract ZIP archives due to technical limitations on your server. In this case, you can follow a manual installation procedure.

You can download the latest installation packages our site's download page for Akeeba DocImport [<https://www.akeebabackup.com/downloads/docimport.html>]. Please note that the latest version is always on top. If you have an older version of Joomla! or PHP please consult our Compatibility page [<https://www.akeebabackup.com/compatibility.html>] to find the version of Akeeba DocImport compatible with your Joomla! and PHP versions. In either case click on the version you want to download and install.

Click on the Akeeba DocImport item to download the ZIP installation package.

All Akeeba DocImport installation packages contain the component and all of its associated extensions. Installing it will install all of these items automatically. It can also be used to upgrade Akeeba DocImport; just install it *without* uninstalling the previous release.

Before doing anything else, you have to extract the installation ZIP file in a subdirectory named `akeeba` on your local PC. Then, upload the entire subdirectory inside your site's temporary directory. At this point, there should be a subdirectory named `akeeba` inside your site's temporary directory which contains all of the ZIP package's files.

If you are unsure where your site's temporary directory is located, you can look it up by going to the Global Configuration, click on the Server tab and take a look at the Path to Temp-folder setting. The default setting is the `tmp` directory under your site's root. Rarely, especially on automated installations using Fantastico, this might have been assigned the

system-wide /tmp directory. In this case, please consult your host for instructions on how to upload files inside this directory, or about changing your Joomla!™ temporary directory back to the default location and making it writable.

Assuming that you are past this uploading step, click on Extensions, Manage link on the top menu. If you are on Joomla! 3.x please click on the Install from Directory tab. Locate the Install Directory edit box. It is already filled in with the absolute path to your temporary directory, for example /var/www/joomla/tmp. Please append /akeeba to it. In our example, it should look something like /var/www/joomla/tmp/akeeba. Then, click on the Install button.

If you still can't install Akeeba DocImport and you are receiving messages regarding unwritable directories, inability to move files or other similar file system related error messages, please consult our installation troubleshooting instructions [<https://www.akeebabackup.com/documentation/troubleshooter/abinstallation.html>]. If these instructions do not help please do not request support from us; we are unlikely to be able to help you. These errors come from your site set up and can best be resolved by asking your host for assistance or by asking other users in the official Joomla!™ forums [<http://forum.joomla.org>].

## 2. Automatic updates

### Checking for the latest version and upgrading

You can easily check for the latest published version of the Akeeba Backup component by visiting <http://www.akeebabackup.com/latest>. The page lists the version and release date of the latest Akeeba DocImport release. You can check it against the data which appear on the right-hand pane of your Akeeba DocImport Control Panel. If your release is out of date, simply click on the Download link to download the install package of the latest release to your PC.

### Updating automatically with the Joomla! extensions update feature

Akeeba DocImport can be updated just like any other Joomla! extension, using the Joomla! extensions update feature. Joomla! is responsible for finding the updates, downloading them and installing them on your server. You can access the extensions update feature in two different ways:

- From the icon your Joomla! administrator control panel page. On Joomla! 3 you will find the icon in the left-hand sidebar, under the Maintenance header. It has an icon which looks like an empty star. On Joomla! 2.5 you will find it in the main area of the control panel page, under Quick Icons. When there are updates found for any of your extensions you will see the Updates are available message. Clicking on it will get you to the Update page of Joomla! Extensions Manager.
- From the top menu of your Joomla! administrator click on Extensions, Extensions Manager. From that page click on the Update tab found in the left-hand sidebar on Joomla! 3 and the top navigation bar in Joomla! 2.5. Clicking on it will get you to the Update page of Joomla! Extensions Manager.

If you do not see the updates try clicking on the Find Updates button in the toolbar. If you do not see the updates still you may want to wait up to 24 hours before retrying. This has to do with the way the update CDN works and how Joomla! caches the update information. Unfortunately we can't do anything about it, especially in Joomla! 3 (there is no way to forcibly clean the updates cache).

If there is an update available for Akeeba DocImport tick the box to the left of its row and then click on the Update button in the toolbar. Joomla! will now download and install the update.

If Joomla! cannot download the package, please use one of the manual update methods described below. If, however you get an error about copying files, folder not found or a cryptic "-1" error please follow our installation troubleshooting instructions [<https://www.akeebabackup.com/documentation/troubleshooter/abinstallation.html>].

## Updating manually

As noted in the installation section, installing and updating Akeeba DocImport is actually the same thing. If the automatic update using Joomla!'s extensions update feature does not work, please install the update manually following the instructions in the installation section of this documentation.

### Important

When installing an update manually you **MUST NOT** uninstall your existing version of Akeeba DocImport. Uninstalling Akeeba DocImport will always remove all your settings. You definitely not want that to happen!

## Live update (versions 1.0 up to and including 2.3.2)

### Note

This method was removed in Akeeba DocImport 2.3.3

On older versions of Akeeba DocImport there is a different update method, if your server supports it. It is called the "Live Update" feature. Whenever you visit the Akeeba DocImport Control Panel, it will automatically check for the existence of an updated version and it will notify you. Clicking on the notification allows you to perform a live update without further interaction. Do note that if your server is protected by a firewall you'll have to enable port 80 and 443 TCP traffic to [www.akeebabackup.com](http://www.akeebabackup.com) and [cdn.akeebabackup.com](http://cdn.akeebabackup.com) for this feature to work properly.

## 3. The CLI update notification and automatic update script

### Note

This feature is only available in the Professional release.

Since March 2014 all of our software uses Joomla! Extensions Update to determine if there is an extension available and to let you install it. None of our own code is involved in the update provisioning and installation process. However, this means that you need to either log in to your site often to see if there are updates available or subscribe to a third party service which will do that for you. The former is inconvenient when you have multiple sites, the latter is expensive.

This is where our CLI update script come into the big picture. This script will ask Joomla! to tell it if there is an update available for our component. If there is, it can do either (or both) of these actions:

- Send an email notification to the email address you have specified.
- Ask Joomla! to install the available update automatically.

### Warning

**AUTOMATIC INSTALLATION OF UPDATES IS A VERY BAD IDEA AND CAN LEAD TO YOUR SITE BECOMING INACCESSIBLE!** Read below for more information. Akeeba Ltd does not accept any responsibility for any problems, data loss or other side effects which might arise directly or indirectly from the use, misuse or abuse of our software per the license of the software. Since the actual update code is part of Joomla! itself (it is not written by us) we cannot provide bug fixes, making the use of this script exempt from our support policy. **IF YOU DECIDE TO USE THIS SCRIPT TO INSTALL UPDATES OF OUR SOFTWARE AUTOMATICALLY YOU ARE DOING SO AT YOUR OWN RISK.**

Joomla! currently does not provide a way to indicate the stability status (alpha, beta, RC, stable), Joomla! version compatibility and PHP version compatibility status of an available update. This means that in the future you might end up having the automatic update CLI script install a version of our software which is unstable or incompatible with your version of PHP or Joomla!. We strongly recommend you to check the Compatibility page on our site to determine which version is compatible with your site.

Furthermore, Joomla! does not provide a rollback feature for failed updates. If for any reason the update process (which is handled by Joomla! itself, not our own code, therefore outside our control) fails while it is copying the component's files you will end up with a partially upgrade component. This can lead to functional issues or even inability to access your site.

Finally, even if you have Akeeba Backup Professional, System Restore Points CAN NOT be taken when installing an update through the CLI update script. If the update fails you are really left with no backup.

## Configuring the update script

The update script can be configured from the Options page of the component. Please go to the component's main (control panel) page and click on the Options button. On the new page, click on the Live Update tab. You have the following options:

**Download ID** If you have the Professional version of our software please enter your Download ID to allow Joomla! to download subscriber-only updates. The Download ID may change over time: it changes whenever the passwords' hashing ("encryption") on our site is enhanced to increase security, when you change/reset your password on our site or when you change your email address on our site. If you cannot install updates to the Professional release please use the My Subscription page on our site to find out your current Download ID and make sure that you have an active subscription.

**Auto-update CLI settings** What you want the update CLI to do when Joomla! reports that a new version is available.

- Notify and update. It will send you an email to notify you about the available update and immediately ask Joomla! to install it.
- Notify only. **RECOMMENDED**. It will only send you an email to notify you about the available update.
- Update only. Not recommended! It will only ask Joomla! to install the available update, without any further notification.

**Notification frequency** The *maximum* frequency you will be receiving update notification emails if you use the "Notify and update" or "Notify only" options above. This field only contains a number, by default it's 1. Please look at the next option too.

**Notification time** The time period expressed by notification frequency. For example, if you set the notification frequency to 1 and the notification time to "days" you will receive update notification emails for the new version *at most* once a day.

### Important

These two options only define the *maximum* update notification frequency. You may receive update emails *less frequently* than what you have set up. It depends on how often then CLI update script runs and how often Joomla! performs the update check. It is always possible that you will not be notified about an update which has been released in the last two days because Joomla! hasn't yet "seen" it.

**Email for update notifications** The email address where update notification emails will be sent. If you do not specify an address no update notification email will be sent. You can only specify a single email address.

## Creating a CRON job for the update script

You can only use this feature if you have access to the command-line version of PHP. In order to schedule an automatic update, you will have to use the following command line to your host's CRON interface:

```
/usr/local/bin/php /home/USER/webroot/cli/docimport-update.php
```

where `/usr/local/bin/php` is the path to your PHP CLI executable and `/home/USER/webroot` is the absolute path to your web site's root. You can get this information from your host.

The update script does not accept any parameters.

In order to give you an example, we will assume that your PHP CLI binary is located in `/usr/local/bin/php` - a common setting among hosts - and that your web site's root is located at `/home/johndoe/httpdocs` :

```
usr/local/bin/php /home/johndoe/httpdocs/cli/docimport-update.php
```

Special considerations:

- Most hosts do not impose a time limit on scripts running from the command-line. If your host does and the limit is less than the required time to send an update notification and/or install the update your site, the update will fail.
- This script is not meant to run from a web interface. If your host only provides access to the CGI or FastCGI PHP binaries the script may not work with them. The reason is the time constraint explained above.
- Some servers do not fully support this update method. The usual symptoms will be an update which fails to complete without any further error messages and no indication of something going wrong. In such a case, trying to run the update from the back-end of your site will work properly.

## Setting up a CRON job on cPanel

Go to your cPanel main page and choose the CRON Jobs icon from the Advanced pane. In the Add New CRON Job box on the page which loads, enter the following information:

**Common Settings** Choose the frequency of your backup, for example once per day.

**Command** Enter your backup command. Usually, you have to use something like:

```
/usr/bin/php5-cli /home/myusername/public_html/cli/docimport-update.php
```

where `myusername` is your account's user name (most probably the same you use to login to cPanel). Do note the path for the PHP command line executable: `/usr/bin/php5-cli`. This is the default location of the correct executable file for cPanel 11 and later. Your host may use a different path to the executable. If the command never runs, ask them. We can't help you with that; only those who have set up the server know the changes they have made to the default setup.

Finally, click the Add New Cron Job button to activate the CRON job.

## Special considerations for HostGator

The location of the PHP CLI binary is `/usr/bin/php-cli`. This means that your CRON command line should look like:

```
/opt/php53/bin/php /home/myusername/public_html/cli/docimport-update.php
```

## 4. Requesting support and reporting bugs

Since July 7th, 2011, support is provided only to subscribers. If you already have an active subscription which gives you access to the support for Akeeba DocImport you can request support for it through our site. You will need to log in to our site and go to Support, Akeeba DocImport and click on the New Ticket button. If you can't see the button please use the Contact Us page to let us know of the ticket system problem and remember to tell us your username.

If you want to report a bug, please use the Contact Us page of our site. You don't need to be a subscriber to report a bug. Please note that unsolicited support requests sent through the Contact Us page will not be addressed. If you believe you are reporting a bug please indicate so in the contact form.

### **Important**

Support cannot be provided over Twitter, Facebook, email, Skype, telephone, the official Joomla! forum, our Contact Us page or any other method except the Support section on our site. We also cannot take bug reports over any other medium except the Contact Us page and the Support section on our site. Support is not provided to non-subscribers; if you are using the Core version you can request support from other users in the official Joomla! forum or any other Joomla!-related forum in your country/region. We have to impose those restrictions in support to ensure a high level of service and quality. Thank you for your understanding.

## 5. Uninstallation

You can uninstall the component just like any other Joomla! component. In your site's back-end, just go to Extensions Manager, click on Uninstall, select Akeeba DocImport and click on Uninstall. This will completely remove Akeeba DocImport including all plugins, modules and ticket information.

---

# Chapter 3. Initial set-up and usage

## 1. Overview

DocImport is used to generate articles from categories. Each category either contains a single DocBook XML book or one or more DocBook XML articles.

Each category has its own folder under the `media/com_docimport` directory. Since DocImport 1.0.9 each category can be its own folder under the `media/com_docimport/books` directory for better organisation. In the root of each category directory you place the XML file(s) of your DocBook XML book or articles. Images used in your book must be located under the `images` subdirectory. The intermediate results of the DocBook to HTML conversion will be located in the `output` subdirectory. If DocImport cannot create this directory it will not be able to generate the articles. In this case, please create this subdirectory manually and make sure that it is writable by Joomla!.

Whenever you upload a new XML file or an updated version of an XML file to a category you need to rebuild the articles of that category. The rebuild process will convert your XML file(s) into HTML and then create or update articles. The rebuild process does not run automatically. You have to either launch it manually from the back-end of the component or run it periodically by means of a CRON job using the provided CLI script.

### Note

Uploading of new XML files and images is supposed to occur outside of the component, e.g by FTP or using Joomla!'s Media Manager. There is no facility to upload files from within the DocImport component.

DocImport is designed to create beautiful, sensible URLs without the use of a third party SEF component. It does so using its own router. Due to the complexity of the algorithm, building and parsing the URLs is a resource intensive process. In order to speed up the process DocImport uses its own SEF URL cache. If you get strange results after rebuilding a category you can always purge it so that DocImport can regenerate it.

## 2. The Control Panel page

The Control Panel page of the component is very spartan. You only have a handful of icons:

Categories	Opens the categories management page
Articles	Opens the articles management page
Purge SEF URL cache	If after a category rebuild or editing an article you experience wrong or no articles being displayed in some circumstances please click this button. It will empty the SEF URL cache of the component which is what most likely was causing the issue.

## 3. Categories management

This is the single most important page in DocImport. This is where you manage documentation categories and regenerate their contents (articles). It is a standard Joomla! grid view, with the following columns:

Up/Down Arrow	(Joomla! 3.0 and later) When you click on it you enable the drag & drop reordering support. When the handle on this column is solid black you can drag it and reorder the categories.
Num	That's the numeric ID of the category. Normally you won't need it anywhere.

Checkboxes	Check it to select the category/categories to Publish, Unpublish, Edit or Delete using the corresponding toolbar buttons.
Title	The title of the category
Status	<p>There are two icons here. The left one will tell you if the category is up to date. An X in an orange background means that the articles should be rebuilt. A tickbox in a green background means that the articles are up-to-date. DocImport determines that by comparing the date of your XML file(s) against the last date/time it built the articles for this category.</p> <p>The second one is actually a button. When you click on it DocImport will (re)build the articles for this category off the XML source. You have to do that every time you create a new category or upload a new version of your XML documentation.</p>
Slug / Directory	This is a double purpose field. The value in here will be used as the URL slug when showing the category. It is also the name of the <code>media/com_docimport</code> or <code>media/com_docimport/books</code> subdirectory where the files of this category will be stored.
Ordering	(Joomla! 2.5 only) Self-explanatory, it's the order the categories will be shown in the front-end.
Published	Is this category visible in the front-end?
Language	DocImport supports Joomla!'s multilingual feature. Each category can either be assigned to All (shown in all languages of your site) or a particular language. This allows you, for example, to have your documentation in English, French and German with only the properly localised version shown to visitors viewing your site in each language, i.e. English to English users, French to French users and so on.

## The editor page

When editing an existing or creating a new category you get to see the editor page. The fields here are:

Title	The title of the category. It will be shown in the front-end list
Slug / Directory	This is a double purpose field. The value in here will be used as the URL slug when showing the category. It is also the name of the <code>media/com_docimport</code> or <code>media/com_docimport/books</code> subdirectory where the files of this category will be stored.

### **Important**

The directory must already exist when you are creating a category

Run content plugins	If enabled, Joomla!'s content plugins will run against each article's contents. This is not very convenient, though, as you're probably documenting the use of content plugins. In this case we suggest that you use No here so that content plugins don't run.
Language	DocImport supports Joomla!'s multilingual feature. Each category can either be assigned to All (shown in all languages of your site) or a particular language. If you do not have a multilingual site always select All.
View level	The Viewing Access Level which can view this category and its articles. Using Public will make your documentation available to everyone on most site setups.
Published	Should this category be shown in the front-end of the site?

Description      A free HTML entry field to describe your documentation category. This is shown in the front-end.

## 4. Articles management

This is the page where you can view and manage the articles generated by DocImport. Please remember that you cannot manually add articles; they have to be generated from your DocBook XML files.

This is a standard Joomla! grid view with the following columns:

Up/Down Arrow      (Joomla! 3.0 and later) When you click on it you enable the drag & drop reordering support. When the handle on this column is solid black you can drag it and reorder the articles. Please note that DocImport tries to reorder the articles automatically, based on their ordering in your book's index page or the alphabetic order in case of multiple article files. You will only seldom need to reorder anything manually.

### Important

The first article in a category with a slug if `index` serves as the index page of a category. Otherwise, e.g. when you have a collection of XML article files, you will get a list of the article titles.

Num      That's the numeric ID of the article. Normally you won't need it anywhere.

Checkboxes      Check it to select the article(s) to Publish, Unpublish, Edit or Delete using the corresponding toolbar buttons.

Category      The category where the article belongs in

Title      The title of the category

Ordering      (Joomla! 2.5 only) Self-explanatory, it's the order the articles will be shown in the front-end.

Published      Is this article visible in the front-end?

## 5. Automating the category rebuild

DocImport offers a command line (CLI) script which allows you to automate the category rebuild using standard CRON jobs.

### Important

Some hosts offer "CRON jobs" which allow you to enter a URL which will be accessed periodically. This is NOT a CRON job. It is a "fake" CRON job and will not work with DocImport.

All DocImport releases include the file `cli/docimport-update.php`, which can be run from the command-line PHP interface (PHP CLI). It is a self-contained, native documentation rebuild tool for your Joomla!™ site, even if your web server is down!

In order to schedule a documentation, you will have to use the following command line to your host's CRON interface:

```
/usr/local/bin/php /home/USER/webroot/cli/docimport-update.php
```

where */usr/local/bin/php* is the path to your PHP CLI executable and */home/USER/webroot* is the absolute path to your web site's root. You can get this information from your host.

## Setting up a CRON job on cPanel

Go to your cPanel main page and choose the CRON Jobs icon from the Advanced pane. In the Add New CRON Job box on the page which loads, enter the following information:

**Common Settings** Choose the frequency of your backup, for example once per day.

**Command** Enter your backup command. Usually, you have to use something like:

```
/usr/bin/php5-cli /home/USER/webroot/cli/docimport-update.php
```

where *myusername* is your account's user name (most probably the same you use to login to cPanel). Do note the path for the PHP command line executable: `/usr/bin/php5-cli`. This is the default location of the correct executable file for cPanel 11 and later. Your host may use a different path to the executable. If the command never runs, ask them. We can't help you with that; only those who have set up the server know the changes they have made to the default setup.

## Special considerations for HostGator

The location of the PHP CLI binary is `/usr/bin/php-cli`. This means that your CRON command line should look like:

```
/usr/bin/php-cli /home/USER/webroot/cli/docimport-update.php
```

---

## **Part II. Appendices**

---

---

# Table of Contents

A. GNU Free Documentation License ..... 17

---

# Appendix A. GNU Free Documentation License

Copyright (C) 2000, 2001, 2002 Free Software Foundation, Inc. 51 Franklin St , Fifth Floor, Boston, MA 02110-1301 USA . Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

## 0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondly, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

## 1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors

or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

## 2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

## 3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-net-

work location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

## 4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
- B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.
- C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
- D. Preserve all the copyright notices of the Document.
- E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
- F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
- G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
- H. Include an unaltered copy of this License.
- I. Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
- J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
- K. For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
- L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
- M. Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.
- N. Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

## 5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

## 6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

## 7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation

is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

## 8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

## 9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

## 10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See <http://www.gnu.org/copyleft/> [<http://www.gnu.org/copyleft/>].

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation.

## ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (C) YEAR YOUR NAME.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foun-

dation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.