



Manual for BwTransifex

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This book covers the use of BwTransifex for Joomla!®-powered web sites.

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What is BwTransifex?

BwTransifex is an extension to Joomla!®, since version 4, which fetches the newest translations from **transifex.com** and creates language packages from these files, which may be installed at Joomla!®.

BwTransifex is an extension to Joomla!®, made for developers, which write extensions for Joomla!®.

As a developer for Joomla!® extensions the problems around multi-language extensions are not unknown. Our users have supplied translations for our extensions, by mail, at the forum or provided otherwise. It is difficult to keep track, for both, translators and developers. How to manage language files which needs an update? How to inform the respective translators about the changes? How to deal with the temporary offset, if the extension is ready for release, but the translators are not ready with its work? How and when to provide these updated translations for download? How to synchronize multiple translators for one language?

Thanks to **transifex.com** this part of the problems belongs to the past. If You don't know [transifex.com](https://www.transifex.com), then You should take a look straight away. Thanks to their online platform users may translate the source language files to each desired language. All works online, there is no need to download zip files to see how much is translated and what still needs a translation.

You update the source language files at **transifex.com** and it is immediately visible for the translators, which language strings have to be updated. This is an enormous facilitation for the translation process, because all happens online and is visible for all participants immediately. There is no need to exchange files with the translators, all runs at a central place.

transifex.com eases the work with translations enormously. But now there appears another problem: How to provide these translations for the users in a simple manner? Here comes BwTransifex into play.

Formerly You possibly have created an installation package of the extension, which contained all existing translations. That is okay, but translators naturally are some days behind...

That means, that one created an installation package, which contained premature translations. When a translation made progress, one had to create a new installation package and provide it.

BwTransifex is an extension for Joomla!®, which addresses exactly these problems.

The features of BwTransifex

- BwTransifex fetches the newest translations from **transifex.com** and creates language packages from them, which may be installed at Joomla!®.
- BwTransifex creates language packages for all languages Joomla!® supports.
- BwTransifex creates language packages for any desired number of extensions of Joomla!®.
- BwTransifex provides the language packages for download at frontend as list or single projects.
- The access may be restricted with the view levels of Joomla!®.
- Updated language packages may be installed by Joomla!® update.
- The translation status of each language package, but also of single language files is displayed at frontend.
- You may invite users to contribute to the translation, links lead directly to the project at **transifex.com**.

You only have to pack the language files for the default language of Joomla!® (that is en-GB) with the installation package of the extension. All other works by installing language packages for this extension how it is known by Joomla!®.

You may install the installation package of BwTransifex by the installer of Joomla!® as usual

-

Requirements

To work with BwTransifex You need

- An installation of Joomla!® since Version 4
- At least one extension for which You want to publish language packages
- An user account at **transifex.com**
- An user token at **transifex.com**
- A project at **transifex.com** for this extension(s)

Safety Instructions

BwTransifex is tested on several Joomla!® installations without problems. Most notably I test with the most current versions of Joomla!®, which Joomla!® supports. Nevertheless I can't exclude that something goes wrong during installation. Especially the „interplay“ of different extensions can't be estimated fully and negative effects can't be excluded.

Therefore:

I suggest to always backup the complete system (database and files) before you make changes to your Joomla!® installation (installation or update of an extension)! For this task the free version of Akeeba Backup e.g. is suitable.

Testing an unknown extension – this is also true for BwPostman – it is highly advised not to do at a life-system.

Further Help

If there are questions or problems occur, You get fast help in English and German at the forum of BwTransifex:

<https://www.boldt-webservice.de/index.php/en/bw-forum/index/bwtransifex.html>

Incidentally you everywhere find tooltips or inline help, that may help very fast. Many texts are really detailed, some will get improvements with the time.

The workflow in theory

If You want to publish a new version of Your extension, then You upload the language files of the source languages at the interface of **transifex.com**, if there are changes at these language files. The source language of Joomla!® is en-GB. Then You enter the new version for the extension at the project details.

If You click at the button for updating (the one with the two arrows) of the project, then a modal window opens, which will show You some text, that the update may take a while. Depending on the speed of the answers of **transifex.com**, it may take the one or other minute.

A click to **Get data** starts the update of the language packages. To prevent "accidents" while updating as far as possible, the buttons to close the modal window are hidden.

First BwTransifex fetches the resources of this project, how they are known by **transifex.com**. Then BwTransifex fetches the statistics for these resources for each language from **transifex.com**. This is to get knowledge whether there are newly or changed language strings or not.

Until now this is a simple question-answer-game between BwTransifex and **transifex.com**. **transifex.com** normally responses quickly. But when the real translated files should be fetched, it is more elaborate for **transifex.com**, because now the files have to be created from the data pool.

Hence BwTransifex has to request the provisioning of the files. As response for each file of each language an URL is provided, where BwTransifex can look, if the file is provided and where BwTransifex may download it. Especially the provisioning of the files by **transifex.com** may last, depending on the server load.

With this step the language files are created if needed. The update servers for each language are created and also an update server of type collection is created.

If the language packages are created, the buttons to close the modal window are re-activated and You may close the modal window.

If errors occur while updating the language files, they are shown at the modal window and depending on the severity of the error the update is going on or is can-

celled. If the update is cancelled, this should happen in a well-arranged manner, so that the modal window may be closed.

If an error occurs, which is not even known and which I don't catch so far, it may happen, that the modal window may not be closed in an well-arranged manner, because the buttons to close don't appear. In this case, only the **back** button of the browser may help. In this case I would be very grateful to get a note at the forum, if possible with a description as accurate as possible. As a developer You know, what I mean.

BwTransifex remembers the statistics of the previous update. If this is the first run, there are no previous statistics, so the update takes place. New language packages also are created, if the option **Update always?** is set. But You should activate this option only if necessary.

Installation and Update

Please read the safety instructions ahead before!

Installation

Download Packages

Before you can install BwTransifex, the installation package has to be downloaded. At <https://www.boldt-webservice.de/index.php/en/joomla-extensions/bwtransifex/146-bwtransifex.html> you will find the download for the current version of BwTransifex, at <https://www.boldt-webservice.de/index.php/en/joomla-extensions/bwtransifex.html> You will find an overview of the downloads to BwTransifex and the manuals as well.

In the back-end of Your Joomla!® installation You also find the download of BwTransifex, namely in the web catalogue of the extensions.

Normal Installation

The installation of BwTransifex works like all other Joomla!®-components: Log in into the back-end. Then in the back-end go to **Extensions → Extension Manager**.

At tab **Upload Package File** click at **Browse...**, select the file `pkg_BwTransifex.version_number.zip` and click at **Upload & Install** – ready.

Alternative Installation

Sometimes the installation won't work as described. Then You can try this alternative way: As explained above download the package locally. Then upload the package to the temporary folder of your web server. Copying to web server works comfortably via FileZilla.

After that attach `/com_bwpostman.version_number.zip` to the entered path in Joomla!® installer at **Install from Folder** and click at **Check & Install**.

In all the cases the installation finished after a few seconds and Joomla!® confirms the installation with a success message.

Update

Please read the safety instructions ahead before!

BwTransifex serves the automatic update function in Joomla!®. That means, that it will be displayed in the back-end as soon as a new version of BwTransifex component or modules is available. When the Joomla!®-integrated plugin **Quick Icon - Joomla!® Update Notification** is activated, you can see this when you enter back-end and the control panel will be shown. A click at the button **Updates are available** will show you the available updates, even so the updates for BwTransifex.

When the plugin is not activated, you can look for updates in the back-end in the menu **System → Update → Extensions** in sub menu **check for updates** and install it.

Configuration

After installation of BwTransifex You have to configure it For this purpose You click at the backend of Your Joomla!® Installation at **Components** → **BwTransifex** → **Projects** at the toolbar top right at the button **options**.

The options are divided into five sections: **Transifex**, **Install Manifest**, **Layout**, **Download-ID** and **Permissions** For all settings You will see detailed help, if You toggle the inline help to on. The button for this is called Toggle Inline Help and You find it at the toolbar top right.

All fields are preset with useful or talking default values if possible.

Transifex

Organization name

The name of Your organization at **transifex.com**.

User token

The token of the user at **transifex.com**, which is allowed to use **transifex.com** by API. You find the token at the user settings at **transifex.com**.

Source language

Your global source language in ISO/IEC 15897 format, which uses **transifex.com** (**transifex.com** uses the underscore, i.e. en_GB). If nothing else is entered for a project or a resource, this language is used as source language.

Language mapping

transifex.com uses a different format for the language shortcuts than Joomla!®. In this field we map the **transifex.com** language shortcuts to the Joomla!® language shortcuts.

If we've missed a language mapping just tell us and we will add it in the next version.

Install manifest

Here You can set up the general values used in Your manifest of the language packages.

Author

The author name for the manifest of the language packages

Author Email

The author email for the manifest of the language packages

Author URL

The author URL for the manifest of the language packages

Copyright

The copyright text for the manifest of the language packages

Layout

0% translated

If this is set to yes, in the frontend we will also show the languages that are currently 0% translated.

Show powered by

Setting this option to yes will display a powered by footer. Please remove this link only if You have purchased a BwTransifex subscription.

Show transifex link

Leave this option turned on if You want to show **transifex.com** some recognition for the awesome language platform that they have created.

This option only works, if footer is displayed.

Download ID

Download ID

Login into Your account on Boldt Webservice and go to 'My account'. On that page You should see the download id. Copy and paste it in this field. This will allow You to



automatically update to the latest version of BwTransifex Pro directly from the backend.

Permissions

With the permissions You set, who may do what with BwTransifex.

All the permissions works as known by Joomla!®.

The Back-end

The backend of BwTransifex contains a list of all projects. Here You create, edit and delete the projects and update the language packages.

A project of BwTransifex is an extension, for which language packages shall be created and updated, whose translations are located at transifex.com.

Create project

A click to the button **New** at the toolbar on top opens the view project details. This view shows as first tab the **Project Details**, other tabs are **Transifex Settings**, **Publishing** and **Advanced Settings**.

Tab Project Details

Here You enter general data to the project.

Project Name

This is the name of the project, how it is used internally and for the views at frontend.

Alias

The alias of the project. It will be generated automatically if You don't enter something.

Description

A description for the project.

Status

The status of the project, how it is common at Joomla!®: Published, Unpublished, Archived and Trashed.

Access

The access level group that is allowed to view this project how it is common at Joomla!®.

Tab Transifex Settings

These are the specifications that are needed for the communication with transifex.com.

Extension name

The name of the extension used in the manifest for each language package.

Transifex project slug

The name of the project how it is set at **transifex.com**.

This is the identifier to get the data of the project from **transifex.com**.

Transifex Configuration

The settings here are ini-file-like with sections. A section for each language file is required, optionally You may provide a section main.

Resource sections (required)

The name of the section is an identifier for the resource, how the API of **transifex.com** needs it and is composed of the organization, the project name and the resource name, deposited at **transifex.com**. It looks like

```
[o:<your-organization>;p:<project-name>;r:<resource name>]
```

Required settings are:

file_filter:

The path to the language file based on Your Joomla!® installation path.

Optional settings are:

minimum_percent

If You want to process only files which are translated for at least minimum_percent. Defaults to 0.

source_lang

If You want to use a different source language for this resource than set at the options of BwTransifex or the main section of this project.

Section main (optional)

lang_map

If You want to use a different language mapping than provided at the options of BwTransifex.

Project Version

The current version of the project for which the language packages shall be created.

Path to update servers

Here You have to enter the path to the update servers for the language packages, based on base folder of the Joomla! installation. But this also means, that the update servers for the language packages have to be placed within this web server.

Replacement list

A list with key->value pairs to replace in the language files. Ini-file-like without section, separator between key and value is the equal sign `=`. Spaces around the equal sign are as is.

These are the variables You can use:

`@@VERSION@@` for the new version of the language packages,

`@@YEAR@@`, `@@DATE@@`, `@@TIME@@`, `@@CREATION_DATE@@` for dates,

`@@EXTENSION_NAME@@` for the name of the extension

`@@AUTHOR@@`, `@@AUTHOR_EMAIL@@` and `@@AUTHOR_URL@@` for particulars to the creator of the language packages,

`@@COPYRIGHT@@`,

`@@DESCRIPTION@@`,

`@@LANGUAGE@@`,

`@@UPDATE_SERVER@@`

Determine location

BwTransifex has to detect, if a resource belongs to the backend or to the frontend. A resource is the name of the language file specified at **transifex.com**. To do so, there are two options:

File filter

If you choose **File filter**, then BwTransifex will use the declaration of `file_filter` specified in each resource section of the transifex configuration at left for each resource.

Resource name

If you choose **Resource name**, then BwTransifex will look at the name of each individual resource.

For both options is valid:

If BwTransifex finds one of the words admin, administrator or backend, then this file belongs to the backend. Otherwise the file is applied to the frontend.

Contribute link

Should a **contribute now** link for languages appear at the frontend? The link appears at the frontend at the single view for a language of a project.

Contributor info

The text entered here will be displayed on single view for the language of a project. Use it to motivate your users to contribute to the translations.

```
{slider title="Tab Publishing"}
```

These data are mainly for information.

Created Date

The date the project was created it is filled automatically. It can be modified manually.

Created By

The name of the creator of this project is filled automatically. It can be modified manually.

Modified Date

Date of the last modification of the project

Modified By

The name of the person who lastly modified the project

Project ID

The internal ID of this project.

Tab Advanced Settings

Update always?

Default is off. To save time, language packages are only created, if there are new or changed language stings at **transifex.com** or there is a new project version.

Set this option only to on, if You have problems with downloading language packages or the downloaded language packages are not up-to-date. That means especially, the download for a language package is displayed at the front end, but there is no language package to download. This options ensures, the language packages are created, even if there are no new or changed language stings or there is no new project version. Switch back to off, if problems are solved

Update language packages of a project

Language packages of a project are updated at the backend. To do so You have to enter the new project version for the desired extension at the tab **Transifex Settings**. **Save & Close** leads back to the list. There You click the button with the two arrows at the column **status** of the extension. A modal window opens with the message, that the update may take a while.

A click to **Load data** starts the creation of the language packages for the new version of the extension. While processing, the buttons to close are hidden to prevent an accident. When the language packages are created, the buttons are displayed again and You may close the modal window.

If errors occur while updating the language files, they are shown at the modal window and depending on the severity of the error the update is going on or is cancelled. If the update is cancelled, this should happen in a well-arranged manner, so that the modal window may be closed.

If an error occurs, which is not even known and which I don't catch so far, it may happen, that the modal window may not be closed in an well-arranged manner, because the buttons to close don't appear. In this case, only the **back** button of the browser may help. In this case I would be very grateful to get a note at the forum, if possible with a description as accurate as possible. As a developer You know, what I mean.

Create menu entries for the frontend

To be able to provide the language packages for downloading, BwTransifex offers the possibility to create menu entries for the frontend.

Whether You create a menu of its own for BwTransifex or You use an existing menu for the menu entries is Your decision, as well as which menu entries You offer. I suggest at least one menu entry for the list of the existing extensions with language packages.

As menu entries for BwTransifex there are:

- All projects
- Single project

The menu entries are created the known way of Joomla!®:

At the backend at menus You add the desired menu entries at an existing menu or You create an separate menu with the desired menu entries and appropriate module.

All Projects

For this menu entry there is not much to tell. It is a simple link to the list of the projects of BwTransifex. Only projects appear, for which the user has the access rights.

Single Project

For this menu entry You have to select at project, which the menu entry shall display. like You do for Joomla!® articles or categories. Also the behaviour is Joomla!®-like: If the user does not have the appropriate access right, this project is not displayed an an error message occurs.

**boldt
webservice**



info@boldt-webservice.de
0 71 62-145 34 60

Websites, die verkaufen!

The Front-end

At the frontend there are three views for BwTransifex:

- A list of all projects of BwTransifex
- A single project of BwTransifex
- The details of a language package of a project of BwTransifex

All views have in common, that there is a footer, which is configurable by the options of BwTransifex at the backend at **Layout** with the option **Show powered by**, which is on by default. Please only switch off if You have a subscription for BwTransifex.

The footer also contains a link to **transifex.com**, which is displayed, if the option **Show transifex link** is switched to on, which is the default. If the option **Show powered by** is switched off the link to **transifex.com** is also hidden.

The order of the elements at the following description naturally only meets the provided layout of these sites.

List of all projects of BwTransifex

Here the list of all projects of BwTransifex is displayed, which the user is allowed to see. The heading as well as the Button **Available translations** lead to this single project.

If a description is provided for a project it will be displayed here.

Single Project of BwTransifex

The single project view lists all available language packages of a project, sorted by translation status descending.

At the tab **Layout** at the options of BwTransifex at the backend is selectable, if language packages without translations should be shown or not.

A click to a language leads to the details of this language package.

Details of a language package

At this view the translation status of the package is displayed below the title. Below that, there are two buttons: **Download now** and **Help improve this language package**.

Below that You will find a list of the language files this language package contains, beneath the translation status of this file and also a button **Help improve this language package**. This list is always complete, nevertheless there are no translations for this language file.

The button **Download now** works as expected: The language package will be downloaded.

The buttons **Help improve this language package** lead to the project site at **transifex.com**. Here the visitor may register for the collaboration at the translation for this project.

Adjust The Look In The Front-end

Since Joomla!® 4 it is simple to adjust the look and feel of an extension at the front end. The principle is described at the [documentation von Joomla!®](#). For the used template this could be different. Look at the documentation of the used template.

Adjust texts of BwTransifex

Since Joomla!® 3 there is a simple solution to adjust the texts of Joomla!® or extensions to meet own needs. To do so You can use language overrides. The [documentation of Joomla!®](#) provides specific Information.

Migration from cTransifex to BwTransifex

BwTransifex offers the possibility to transfer projects from cTransifex version 1.5. Older versions of cTransifex are not tested.

If the website, at which BwTransifex shall be used, still uses Joomla!® 3, then You first should update to Joomla!® 4, before You install BwTransifex. You should deactivate cTransifex before upgrading to Joomla!® 4, not uninstall, because then You lose the data of cTransifex!

The takeover of the cTransifex data only works, if BwTransifex doesn't contain a project. But there is the peculiarity, that cTransifex only works until Joomla!® 3, while BwTransifex only works since Joomla!® 4. Also You can't install BwTransifex at Joomla!® 3. But the update to Joomla!® 4 is possible, if the component cTransifex is deactivated. From my experience even an activated cTransifex don't bother the update, as long as You don't access this component.

The data of cTransifex are only read at takeover, not modified!

If there are tables of cTransifex at installation of BwTransifex, then BwTransifex adopts the projects of cTransifex, as long as there are no projects at BwTransifex.

If the component cTransifex also exists at installation of BwTransifex, the settings of the component cTransifex are also adopted.

If the artifacts, that means the language packages, of cTransifex are also present, then BwTransifex also adopts these artifacts. The artifacts of cTransifex You will find at the folder `<my_joomla_installation>/media/com_ctransifex/packages`.

Tested Procedure

- Backup of the website, i.e. with Akeeba Backup
- If not yet done: Deactivate extension cTransifex, do not uninstall!
- If not yet done: Update the website from Joomla!® 3 to Joomla!® 4
- Installation of BwTransifex
- Adjust existing links and menu entries for the front end from cTransifex to BwTransifex
- Success control:

- Back end: Simply do an update of the language files per project. BwTransifex should at least catch all errors and show some helpful notes.
- Front end: Check all links concerning Your translations

If You are satisfied with the result, You may uninstall cTransifex now.

Warning messages

In particular situations warning messages are displayed in back-end of Joomla!®, caused by BwTransifex. I was very willing to catch all messages, for that no messages are displayed. But in some cases there is no chance to do so, for that messages are displayed from time to time.

The warning messages occur, when

- Joomla!® **Error Reporting** is set to **Maximum** or **Development** at **System → Global Configuration → Server**
- and/or **display_errors** is set to **ON** in *php.ini* of the server

Appendix

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Version 1.3, 3 November 2008

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0 PREAMBLE

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