

## EXT: Post TYPO3 records to Facebook

Extension Key: bc\_post2facebook

Language: en

Keywords: facebook, forEditors, forAdmins

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The content of this document is related to TYPO3  
- a GNU/GPL CMS/Framework available from [www.typo3.org](http://www.typo3.org)

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# Introduction

## What does it do?

This extension posts records out from TYPO3 to Facebook.

This extension has been created by [Bluechip Software GmbH](http://www.bluechip-software.com/). An overview for editors can be found on [http://www.bluemedia.at/post2facebook/\(in german\)](http://www.bluemedia.at/post2facebook/(in%20german)).



## Screenshots

### Backend wizard:

### Auf Facebook posten

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#### WO SOLL GEPOSTET WERDEN

Wählen Sie den Ort, wo der Datensatz gepostet werden soll:

BlueChip Media

#### FOLGENDE WERTE WERDEN GEPOSTET

name: Professionelle Newsletter mit T3 Mail

link: [http://bluechip-devel.at/Aktuelles.34.0.html?&tx\\_ttnews\[tt\\_news\]=6](http://bluechip-devel.at/Aktuelles.34.0.html?&tx_ttnews[tt_news]=6)

picture:

Kein Bild

Dieses Bild stattdessen verwenden

description: Newsletter - eines der erfolgreichsten Instrumente für Ihre Stammkundenpflege. Mit dem Newsletter Tool T3 Mail von BlueChip werden die Vorzüge des Mächtigen CMS TYPO3 und die Marketingpotentiale von Newslettern gekonnt kombiniert.

Auf Facebook posten

## Succesfull wall post on Facebook:

Auf Facebook posten

Der Eintrag wurde auf Facebook gepostet!

The screenshot shows the Facebook interface for the profile 'BlueChip Media'. The top navigation bar includes the Facebook logo, a search bar, and links to 'Startseite', 'Profil', and 'Konto'. The profile header shows the name 'BlueChip Media' and navigation tabs for 'Pinnwand', 'Info', 'Home', 'Fotos', 'Links', 'YouTube', and a '+'. Below the header, there are sharing options: 'Teilen: Status', 'Foto', 'Link', and 'Video'. The main content area displays a post from 'BlueChip Media' with the text 'Professionelle Newsletter mit T3 Mail' and a description about a newsletter tool. The post includes a small image of a building and a link to 'bluechip-devel.at'. A message at the bottom of the post states: 'Für diesen Beitrag sind noch keine Statistiken verfügbar, Bitte versuche es später noch einmal.' On the left side of the profile, there is a cover photo featuring the 'blue chip' logo and the text 'Web Development', 'Flash WebDesign', 'Newsletter Tools', and 'TYPO3'.

# Users manual

## Installation

Install the extension via the extension manager and fill out the necessary fields in the extension config.

## Quickstart

### 1. Create a Facebook App

Go to <http://www.facebook.com/developer> then create new application and fill in the necessary information

### 2. Request authorization code

First you need to know which permissions you have to request to get a working extension. Here are some examples:

- post to the users wall: publish\_stream
- post to a page-wall: publish\_stream,manage\_pages
- post to a page- or group-wall: publish\_stream,manage\_pages,user\_groups

Get a full listing of all available permission flags at <http://developers.facebook.com/docs/authentication/permissions/>

As of the former "offline\_access" permission is deprecated and will be removed in future, you shouldn't add this permission to your config anymore. Instead of this, the extension extends the expiration of the auth token every time it is used.

There are two ways to get the authorization code:

1. Via the wizard in the extension configuration
2. Manually (usefull if you have to configure the plugin for several users)

#### Request authorization code via the wizard

You need a valid extension configuration. For this you have to insert the application ID, the application secret and the application Url of your previously created Facebook App and the permissions. If all is well configured you get a warning message, that there is no auth token. You only have to click on the provided link and allow the application to access the needed data.

Extension Manager

Extension: Post data records (initially tt\_news) to... (bc\_post2facebook)

Current status:

**The extension is installed (loaded and running)!**  
Click here to remove the extension:

Configuration:

(Notice: You may need to clear the cache after the configuration of the extension. This is required if the extension adds TypoScript depending on these settings.)

**Facebook Application ID** [appId]  
The ID of your Facebook application

**Facebook secret** [secret]  
The application secret of your Facebook application

**Facebook graph api permissions** [permissions]  
a comma separated list of the permissions your application needs. Note: offline\_access is always needed. See <<http://developers.facebook.com/docs/authentication/permissions/>> for further information.

**Application site url** [appUrl]  
The website url that you set in your application <<http://www.example.com/>>

**Facebook authorize code** [authToken]  
To get this code use the Wizard below

**Warning!**  
Your auth token is invalid. Please follow the link below to generate a new token.

[Generate new auth token >](#)

Then you are redirected to your applications canvas page. The next step is similar to the manual code request.

#### Request authorization code manually

Goto <https://www.facebook.com/dialog/oauth?>

client\_id=<YOUR\_APP\_ID>&redirect\_uri=<YOUR\_REDIRECT\_URI>&scope=<YOUR\_PERMISSIONS>&state=<SOME\_ARBITRARY\_BUT\_UNIQUE\_STRING>

After you login and allow the application you will redirect to your redirect url with the authorization code like

<YOUR\_URL>?code=AQCXL0ahfaadh[...]**Uh3C6FoUORw#\_=\_**

Copy the code at the right side of "=" sign (highlighted in **red**) to paste in extension configuration

Note:

If you remove this application from your profile application setting, and you add the application again then you have to generate this code again.

**Note:** Although the auth code expiration is extended everytime you use the extension, there are some reasons why the token can get invalid:

1. The token expires after expire time (only if you rarely use the extension)
2. You/the user changes her password which invalidates the access token
3. You/the user de-authorizes your app

In these cases you have to generate the token again.

### 3. Complete the extension configuration

Fill out all necessary fields in the extension configuration. To post TYPO3 records you have to configure the TypoScript of the extension for the database table. A standard configuration for tt\_news is included, for further information have a look at the Administration section below.

### 4. Optional: add the application to your pages

If you want to post to your pages you have to add your application to your page.

# Administration

## Page / User TSconfig reference

Most of the settings made in the extension configuration can be overridden via Page and User Tsconfig.

### mod.web\_modules.bc\_post2facebook

| Property:  | Data type:     | Description:  |
|--|----------------|---|
| appId  | String         | Alternative id of your Facebook App   |
| secret   | String         | Alternative secret of your Facebook App   |
| authToken  | String         | Alternative authentication token for your Facebook App  |
| pageId   | String         | Alternative default id of the Facebook page you want to post to   |
| postAsPage   | String keyword | Set to "yes" to enable posting as page<br>Set to "no" to post as user   |
| groupId  | String         | Alternative default id of the Facebook group you want to post to  |
| webUrl   | String         | Alternative base url for images and links   |
| displayListing                                     | list           | <p>With this option you can specify which options the user has to select the location where to post to Facebook. There are the following options available:</p> <ul style="list-style-type: none"> <li><b>all</b>: all available pages, groups and the profile are shown</li> <li><b>none</b>: the user has no options. In this case the pageId or groupId are used as target. If both are not set, the profile is used</li> <li><b>profile</b>: show the option to post to the profile</li> <li><b>pages</b>: show all pages</li> <li><b>groups</b>: show all groups</li> </ul> <p><b>Example:</b><br/> <code>mod.web_modules.bc_post2facebook.displayListing = groups, profile</code></p> <p>The options "pages" and "groups" can be configured more specific: you can add a list of page or group ids between two curly brackets.</p> <p><b>Example:</b><br/> <code>mod.web_modules.bc_post2facebook.displayListing = groups{1234, 5678}, pages{9876, 5432}</code></p> |
| config   | Array          | Configuration of the TYPO3 records where posting is enabled   |
| config.record_table_name                           | Array          | Configuration of one record   |
| config.record_table_name._config.picture_field     | String         | If you want to post an image to Facebook, specify, in which field of the TYPO3 record the image is saved  |
| config.record_table_name._config.picture_as_upload | Boolean        | If set, pictures are not posted with their urls but as uploads (useful for events)  |
| config.record_table_name._config.postAs            | String         | Specify in which path of the Facebook Graph API you want to post. To post to the wall enter "feed", to post to the events enter "events".<br>More informations at <a href="http://developers.facebook.com/docs/reference/api/">http://developers.facebook.com/docs/reference/api/</a>   |
| config.record_table_name.api_items                 | CObj           | <p>Use the name of the GraphAPI item as key and configure it as CObject.</p> <p><b>Example:</b></p> <pre> picture = IMG_RESOURCE picture {     file {         import = uploads/pics/         import.field = image         import.listNum.stdWrap.data = register: picture_num         maxW = 120         maxH = 120     } } </pre>  |

[tsconfig:mod.web\_modules.bc\_post2facebook]

## Configuration of the TYPO3 records

The extension offers the possibility to post almost all TYPO3 records to almost all channels on Facebook, which are available

via the GraphAPI. The extension already comes with a configuration for tt\_news, use this as reference.

To make the extensions wizard available for other records, follow the steps below:

### 1. Add a new field "tx\_bcpst2facebook\_facebook\_id" to the database table of your record

#### Example:

```
CREATE TABLE tt_news (
    tx_bcpst2facebook_facebook_id tinytext
);
```

### 2. Add the TCA configuration to your extensions ext\_tables.php or the extTables.php located in typo3conf

#### Example:

```
$tempColumns = array(
    'tx_bcpst2facebook_facebook_id' => array(
        'exclude' => 1,
        'label' =>
'LLL:EXT:bc_post2facebook/locallang_db.xml:tt_news.tx_bcpst2facebook_facebook_id',
        'config' => array(
            'type' => 'user',
            'userFunc' => 'tx_bc_post2facebook_fieldtype->user_TCAform_facebook',
            'wizards' => Array(
                'PADDING' => 2,
                'link' => Array(
                    'type' => 'popup',
                    'title' => 'Post News to Facebook',
                    'icon' => 'EXT:bc_post2facebook/res/icon_wizard.png',
                    'script' => 'EXT:bc_post2facebook/lib/class.tx_bc_post2facebook_wizard.php',
                    'JSopenParams' => 'height=630,width=650,status=0,menubar=0,scrollbars=1',
                ),
            ),
        ),
    ),
);

t3lib_div::loadTCA('tt_news');
t3lib_extMgm::addTCAcolumns('tt_news', $tempColumns, 1);
t3lib_extMgm::addToAllTCAtypes('tt_news', 'tx_bcpst2facebook_facebook_id;;;1-1-1');
```

### 3. Add the configuration for your record to page or user Tsconfig

#### Example:

```
mod.web_modules.bc_post2facebook {
    config {
        tt_news {
            _config {
                picture_field = image
                postAs = feed
            }

            name = TEXT
            name.field = title

            link = TEXT
            link {
                dataWrap = {field:_url}|
                typolink {
                    returnLast = url
                    additionalParams {
                        field = uid
                        wrap = &tx_ttnews[tt_news]=|
                    }
                }
            }

            description = TEXT
            description {
                field = short
                ifEmpty {
                    field = bodytext
                    crop = 300 | ... | 1
                }
                stripHtml = 1
            }
        }
    }
}
```



# Usage

If the button for the wizard is well configured it will show up in the edit form of your record. If the record is already posted to Facebook, the checkbox will be checked (B), otherwise not (A). In both cases you can post the record again by simply clicking on the wizard icon.



The wizard will be opened in a new window where all configured fields will be rendered. All fields can be reviewed, if there are multiple images, you can select the image which should be posted. If it's enabled you can select the posts target (profile, page, group) and by clicking on the button at the bottom, the extension posts the record to Facebook.

Auf Facebook posten

---

**WO SOLL GEPOSTET WERDEN**

Wählen Sie den Ort, wo der Datensatz gepostet werden soll:

BlueChip Media

**FOLGENDE WERTE WERDEN GEPOSTET**

name: Professionelle Newsletter mit T3 Mail

link: [http://bluechip-devel.at/Aktuelles.34.0.html?&tx\\_ttnews\[tt\\_news\]=6](http://bluechip-devel.at/Aktuelles.34.0.html?&tx_ttnews[tt_news]=6)

picture:



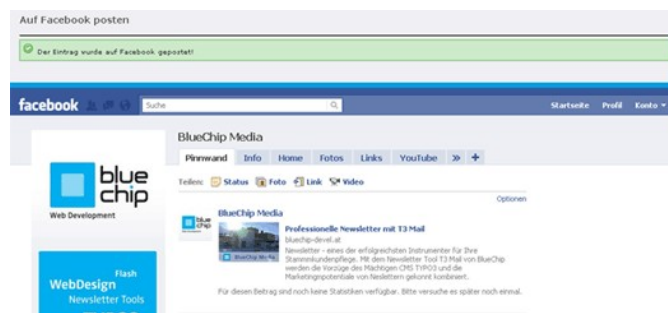
Kein Bild

Dieses Bild stattdessen verwenden

description: Newsletter - eines der erfolgreichsten Instrumente für Ihre Stammkundenpflege. Mit dem Newsletter Tool T3 Mail von BlueChip werden die Vorzüge des Mächtigen CMS TYPO3 und die Marketingpotentiale von Newsletter gekonnt kombiniert.

Auf Facebook posten

If there is no error, you receive a success message and your record should be visible on Facebook.



# Tutorial

Here I will show, how to configure the extension to post tt\_news records as event on Facebook. Because the extension already has the button for the wizard, we can directly go to the configuration step.

We want to post the news as event, so we have to look at the appropriate API documentation:

<http://developers.facebook.com/docs/reference/api/event/>

Here we see, that we need the "create\_event" permission, so we have to generate an authentication token, which provides this permission. Have a look at the chapter "Quickstart" to learn how to do this. After we got the token, add it to the extension configuration or the Tsconfig:

```
mod.web_modules.bc_post2facebook.authToken = YOUR_AUTH_TOKEN
```

Next the API says that events have to be posted to "http://graph.facebook.com/PROFILE\_ID/events". We only need the part after "PROFILE\_ID/" so we add "events" to our configuration:

```
mod.web_modules.bc_post2facebook.config.tt_news {
    _config {
        postAs = events
    }
}
```

Next we look at the fields we need to successfully publish an event. We need a field start\_time, which should be an ISO-8601 formatted date or an UNIX timestamp. Because a timestamp is not readable for some users we use the ISO format. The data for this field is taken from the datetime field of the news.

```
mod.web_modules.bc_post2facebook.config.tt_news {
    start_time = TEXT
    start_time {
        field = datetime
        date = c
    }
}
```

For the end\_time we also use the datetime field and add a default of two hours:

```
mod.web_modules.bc_post2facebook.config.tt_news {
    end_time = TEXT
    end_time {
        field = datetime
        stdWrap.wrap = | +60*60*2
        prioriCalc = intval
        date = c
    }
}
```

Because there is already a configuration for tt\_news you have to deactivate all unwanted fields by setting them to empty or "NONE". In this case we keep the name, description and picture but remove the link:

```
mod.web_modules.bc_post2facebook.config.tt_news {
    link =
}
```

One last thing we need for the event is the picture. Although there is already a working configuration for the picture, we have to take into account, that there is no field for a picture in the GraphAPI. Pictures for events have to be posted as upload. So all you have to do is, to tell the extension that images should be uploaded instead of referenced by an absolute url:

```
mod.web_modules.bc_post2facebook.config.tt_news {
    _config {
        picture_as_upload = 1
    }
}
```

If you have your own records and want to define a picture, you have to set the picture\_field to tell the extension where it should take the images from.

```
mod.web_modules.bc_post2facebook.config.tt_news {
    _config {
        picture_field = images
    }
}
```

That's all, you should have a working configuration to post a news entry as event to Facebook. For completeness, here is the full configuration including the already configured fields by the extension (the added configuration is bold):

```
mod.web_modules.bc_post2facebook.config.tt_news {
    _config {
        postAs = events
        picture_as_upload = 1
        picture_field = image
    }

    name = TEXT
    name.field = title

    link =

    start_time = TEXT
    start_time {
        field = datetime
        date = c
    }

    end_time = TEXT
    end_time {
        field = datetime
        stdWrap.wrap = | +60*60*2
        prioriCalc = intval
        date = c
    }

    picture = IMG_RESOURCE
    picture {
        file {
            import = uploads/pics/
            import.field = image
            import.listNum.stdWrap.data = register: picture_num
            maxW = 120
            maxH = 120
        }
    }

    description = TEXT
    description {
        field = short
        ifEmpty {
            field = bodytext
            crop = 300 | ... | 1
        }
        stripHtml = 1
        parseFunc < lib.parseFunc_RTE
    }
}
```

## Known problems

- Nothing yet, but we have not tested all use cases or GraphAPI channels

## To-Do list

- Find a better way to use tslib\_content in backend modules. We use a changed version to get a working IMG\_RESOURCE.  
Please let us know, if there is a better solution

## ChangeLog

Take a look at the changelog file