

Quick Google Maps

Extension Key: cbgooglemaps

Language: en

Keywords: forAdmins, forBeginners

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- a GNU/GPL CMS/Framework available from www.typo3.org

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Introduction

What does it do?

This "Quick Google Maps" extension provides the possibility to include individual maps to your frontend in a simple way:

- define the location by given address (street, zip, city and/or country), by coordinates or by manual setting and dragging the google pin
- simple click for retrieving geo coordinates from given address
- check location in preview window, and justify location by manually dragging of the location pin
- define your desired layout by selecting map type, zoom level, controls, width and height
- based on Google API 3, therefore no API-Key is required!

ATTENTION:

Version 2.x supports TYPO3 versions up to 6.1.x

Version 3.x only supports TYPO3 version 6.x and higher

(Between version 2 and 3 there are no functional differences, only compatibility updates are included)

Screenshots

Set a location by inserting an address, coordinates and/or dragging the google pin.

Backend: define a location

location

display properties

street

Platz der Republik 1

zip

11011

city


Berlin

country

Deutschland

fetch coordinates from above-mentioned address

display current location



latitude

52.51972021157498

longitude

13.383214504290777

Set the desired layout parameter to the frontend.

Backend: define the desired layout

location
display properties

description of map and position

Deutscher Bundestag
Platz der Republik 1
11011 Berlin

map width, in pixel (only visible to the frontend view!)

460

map height, in pixel (only visible to the frontend view!)

250

map type


hybrid

zoom level

16

navigation controls

default

display current map


Final output to the frontend:

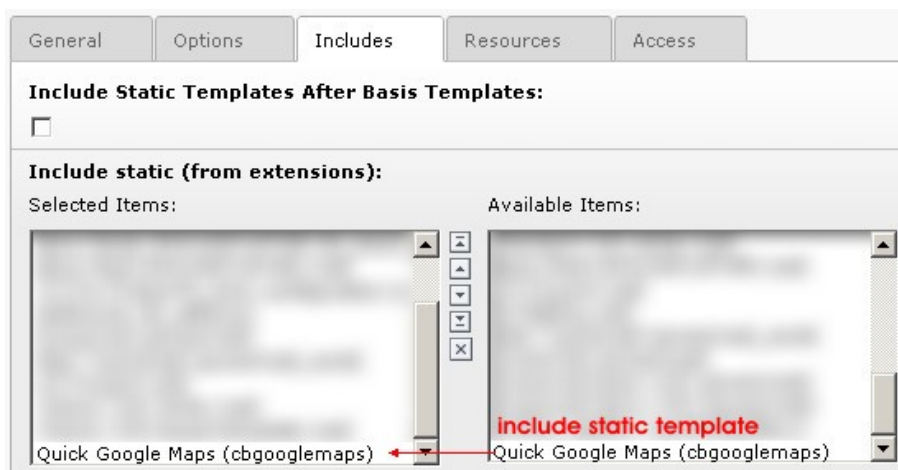


Frontend: view example

Users manual

Installation

- This extension requires “extbase” and “fluid”, so it's necessary to install these extensions first!
(You will find this extensions in the repository)
- Install the extension from the Extension Repository by search for the extension key “cbquickgooglemap”.
- Include the static templates to your Template.
 1. Select the **template** module to the left side in the backend
 2. choose now the **root page** in the page-tree, where the root template is located
 3. click “**Edit the whole template record**” and
 4. select the tab “Includes” and add the “Quick Google Maps (cbgooglemaps)” to the selected Items. (see following Screenshot)



5. after saving this template update you can include maps to your page!

Nothing else is required and since Google API3, no API-Key is required!

Administration

The administration of this extension is limited to set some default values which will be used, if the editor will not define any value to some required fields.

This configuration values can either be set as constants or by TypoScript (see "Configuration" chapter):

To set initial values by constants,

Choose the **template module**

Navigate to the page which includes the **root-template**

Choose the "**Constant Editor**" in the dropdown box (top of the page)

And select the constant **category** "PLUGIN.TX_CBGGOOGLEMAPS (x)"

Now you should see six or more constants which can be edited.

Constant:	Description
googleapi.uri	URI to include google javascript api3, should not be edited. Default: <code>http://maps.google.com/maps/api/js?sensor=false</code>
display.width	Set the default width of the map in the frontend view in pixel. Will be used if the editor does not define any value.
display.height	Set the default height of the map in the frontend view in pixel. Will be used if the editor does not define any value.
display.mapType	Choose the type of the map between these values: HYBRID, TERRAIN, SATELLITE and ROADMAP
display.zoom	Zoom level of the map in the frontend view. Must be an positive integer greater or equal to 0. Commonly value between 10 an 20 are used.
display.mapControl	Choose the type of displayed control elements. Valid values are DEFAULT, SMALL, ZOOM_PAN and ANDROID

Configuration

The configuration can be done by setting constants or by TypeScript. To

`plugin.tx_cbgooglemaps.settings.`

Google API definition

Property:	Description:	Default:
googleapi.uri	URI to include google javascript api3, should not be edited. Should normally not be modified.	<code>http://maps.google.com/maps/api/js?sensor=false</code>

Display settings

This values will be used as defaults if the editor entered no value

Property:	Description:	Default:
Display.width	Set the default width of the map in the frontend view in pixel. Will be used if the editor does not define any value.	480

Property:	Description:	Default:
display.width	Set the default height of the map in the frontend view in pixel. Will be used if the editor does not define any value.	270
display.height	Choose the type of the map between these values: HYBRID, TERRAIN, SATELLITE and ROADMAP	HYBRID
display.mapType	Zoom level of the map in the frontend view. Must be an positive integer greater or equal to 0. Commonly value between 10 an 20 are used.	12
display.zoom	Choose the type of displayed control elements. Valid values are DEFAULT, SMALL, ZOOM_PAN and ANDROID	DEFAULT

Valid parameter definition

You can limit by which mapTypes and navigationControls the editor can choose of.

Property:	Description:	Default:
valid.mapTypes	Available valid map Types	HYBRID,ROADMAP,SATELLITE,TERRAIN
valid.navigationControl	Available valid navigation controls	SMALL,DEFAULT,ANDROID,ZOOM_PAN

Example

Here an example to all possible definitions:

```

plugin.tx_cbgooglemaps {
    settings{
        googleapi {
            uri = http://maps.google.com/maps/api/js?sensor=false
        }
        display{
            width = 480
            height = 270
            mapType = HYBRID
            zoom = 12
            navigationControl = DEFAULT
        }
        valid{
            mapTypes = HYBRID,ROADMAP,SATELLITE,TERRAIN
            navigationControl = SMALL,DEFAULT,ANDROID,ZOOM_PAN
        }
    }
}

```

Tutorial

This tutorial will describe how to include a new map to your frontend:

Set location:

- First create new content element of type "plugin" in the backend.
- In the appearing Flexform define now the location by entering the desired
- Address (1) or
- coordinates
- If inserted address data, please click to the "fetch coordinates from above-mentioned address" to retrieve coordinates from google (2)
- Now click the preview button "display current location" to verify the current location (3)
- If necessary adjust the location by manually editing the coordinates ;-) or by dragging the google pin to the desired position. (4)

location

display properties

street

Platz der Republik 1

zip

11011

city

Berlin

country

Deutschland

fetch coordinates from above-mentioned address

display current location

latitude

52.51972021157498

longitude

13.383214504290777

1. enter address

2. fetch coordinates

3. click for preview

4. adjust position
by dragging
location pin

Set frontend layout

After specifying the location you can choose how the map should be displayed. This is optional and can be ignored if the default view should be used.

Manual layout setting:

- Insert free text, which should be inserted as pin flag. (1)
- Specify the desired width and height in pixel (2)
- Select kind of mapType, how the map should be displayed. The following types are available:

HYBRID



ROADMAP



SATELLITE



TERRAIN



- Define the desired zoom level. (Typical used values between 12 and 18)
- Select the desired controls, you can choose between: DEFAULT, SMALL, ZOOM_PAN and SMALL ANDROID like. See following Screenshot:

DEFAULT & SMALL controls



SMALL ANDROID controls



BIGGER controls



location

display properties

description of map and position

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Platz der Republik 1
11011 Berlin

1. set info to the pin

map width, in pixel (only visible to the frontend view!)

460

map height, in pixel (only visible to the frontend view!)

250

2. specify the width and height to the map

map type

hybrid

3. set map type

zoom level

16

4. zoom level

navigation controls

default

6. desired controls

display current map

7. check map preview

That's all, after saving your map inputs, the google map will be displayed to your frontend after saving this content element.

Known problems

- Currently no problems known,
=> but feel free to search for :-)

To-Do list

– Nothing yet

ChangeLog

– First editing release, so no changes are made :-)

Version	Changes:
1.0.0	Frst TER release
...	
2.0.6	Bug-Fix: Transferred JS-Files from EXT:/Resources/Private to EXT:/Resources/Public-Folder (THX to Alexander.Kai Ude for your hint!)
...	
3.0.0	Compatibility Update to TYPO3 6.0 – 6.2 Previous TYPO3 versions are only supported in the 2.x version tree!