

Manual for the Contao 4 extension Visitors Bundle

BugBuster

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Manual for Contao 4 extension Visitors Bundle

This is the manual for users of Visitors Bundle. You can always find the latest version on docs.contao.ninja.

I'm not a native English speaker. Please correct my mistakes, write an [issue](#) or send a pull request.
Many Thanks.

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texts or images) in any other project as well.

Overview

This extension allows you to count hits and visits of your website.

In the display appears the hits and visits from the current day, as well as the respective total. In the backend there are a statistic overview.

Visitor Statistics	
Online:	1
Visits today:	1
Visits total:	5
Hits today:	15
Hits total:	27
Visitors per day: ∅	2
Counting since:	01.09.2009

Visitors Bundle used the extension "BotDetection Bundle". This prevents counting of traffic from bots / search engines. But there is no 100% guarantee.

Helpful links

Information	Link
Developer Website	http://contao.ninja
Link to Extension Repository (Packagist)	Packagist.org
Donate the developer	Amazon wish list (german)
Report Issues / Feature Requests	GitHub
Contao forum for questions	community.contao.org

Translations

Translations of the texts in the Backend and the frontend are managed with using of Transifex. To create a new translation or to help to maintain an existing one, please register at transifex.com.

Projekt Link: <https://www.transifex.com/projects/p/contao-visitors/>

Howto (english): <http://docs.transifex.com/faq/#translating>

Installation of Visitors Bundle

There are two types of installation.

- with the Contao-Manager, only for Contao Managed-Edition
- via the command line, for Contao Standard-Edition and Managed-Edition

Note: Visitors is dependent on the extensions "BotDetection Bundle" and "phpoffice/phpexcel", these are installed automatically in most cases.

Link to Packagist: [Visitors on Packagist.org](https://packagist.org/packages/bugbuster/contao-visitors-bundle)

Installation with Contao-Manager

- search for package: `bugbuster/contao-visitors-bundle`
- install the package
- Click on "Install Tool"
- Login and update the database

Installation via command line

Installation for Contao Managed-Edition

Installation in a Composer-based Contao 4.3+ Managed-Edition:

- `composer require "bugbuster/contao-visitors-bundle"`
- Call <http://yourdomain/contao/install>
- Login and update the database

Installation for Contao Standard-Edition

Installation in a Composer-based Contao 4.3+ Standard-Edition

- `composer require "bugbuster/contao-visitors-bundle"`

Add in `app/AppKernel.php` following line at the end of the `$bundles` array.

```
new BugBuster\VisitorsBundle\BugBusterVisitorsBundle(),
```

Clears the cache and warms up an empty cache:

- `vendor/bin/contao-console cache:clear --env=prod`
- `vendor/bin/contao-console cache:warmup -e prod`
- Call <http://yourdomain/contao/install>
- Login and update the database

Overview Front end / Back end

The Visitors extension contains two back end and one front end module. In the back end, there is the module "Visitors", here the Counter are defined and first settings, as well as the module "Visitor statistics", here the statistics can be viewed.

For the front end there is the module "Visitors". By selecting one of the supplied templates can either only count or also display totals of visitors and hits.

Details will follow in the next chapters.

Back end

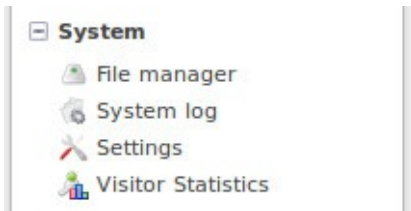
Visitors

The Visitors module can be found under Content -> Visitor.



Visitor Statistics

The Visitor Statistics module can be found under System -> Visitor Statistics



It shows the statistics for the created counter. If you have created multiple counters, for a multi domain installation, the counter can be selected.

A selection of the statistics:

Visitor Statistics

Category Export: (Visits,Hits)

Category: Seitenbesuc

Name	Active	Counting since	Reset
Seitenbesucher	yes	2014-12-26	↓ 0

Period	Visits	Hits
Total number	4,038	11,482
Today	17	21
Yesterday	31	60
Current week	279	550
Last week	354	925
Current month	1,265	3,209
Last month	762	1,810
2015 April	885	2,806
2015 March	854	2,760
2015 February	153	585
2015 January	109	285
2014 December	10	27

Averages	(30)	(60)
Visitors per day:	22.09	45.57 35.90
Hits per day:	62.97	112.93 90.78
(30) / (60) = ∅ values of the last 30 / 60 days		
Day with the most visitors:	2015-06-09	
Visits on this day:	97	
Hits on this day:	218	
Day with the fewest visitors:	2015-01-20	
Visits on this day:	1	
Hits on this day:	1	
Currently online:	2	

Date	Visits	Hits
Sun, 2015-06-28	17	21
Sat, 2015-06-27	31	60
Fri, 2015-06-26	42	82
Thu, 2015-06-25	36	72
Wed, 2015-06-24	55	131
Tue, 2015-06-23	53	108
Mon, 2015-06-22	45	76
Sun, 2015-06-21	39	105
Sat, 2015-06-20	30	110
Fri, 2015-06-19	38	106
Thu, 2015-06-18	60	115
Wed, 2015-06-17	56	148
Tue, 2015-06-16	40	101
Mon, 2015-06-15	91	240

Page Statistic TOP 20			
Page alias (Language)	Visits	Hits	
index (de)	1115	1436	
contao-3-theme-tapestry (de)	548	787	
contao_module (de)	437	971	
contao-tipps (de)	374	1068	
themes (de)	343	770	
design-vorlagen (de)	253	325	
tipps-und-tricks-filter-ergebnis (de)	222	2270	
links (de)	205	306	

Page Statistic TOP 20: the last 7 days			
Page alias (Language)	Visits	Hits	
index (de)	45	54	
design-vorlagen (de)	37	46	
tipps-und-tricks-filter-ergebnis (de)	27	59	
contao-konferenz-2015 (de)	19	24	
contao-3-theme-tapestry (de)	18	27	
themes (de)	12	29	
contao_module (de)	11	29	

Page Statistic TOP 5: today			
Page alias (Language)	Visits	Hits	
design-vorlagen (de)	6	6	
contao-3-theme-tapestry (de)	3	4	
themes (de)	2	3	
index (de)	2	2	
contao-tipps (de)	2	2	

Page Statistic TOP 5: yesterday			
Page alias (Language)	Visits	Hits	
design-vorlagen (de)	8	9	
index (de)	6	8	
tipps-und-tricks-filter-ergebnis (de)	5	8	
erweiterungen-auf-contao-3-portieren-i-nkl-namespaces (de)	2	4	
contao-konferenz-2015 (de)	2	3	

(TOP 20 lists are shortened.)

Front end

For the front end are included two CSS files as an example of a display format:

- mod_visitors_fe.css for the normal output, line by line
- mod_visitors_fe_horizontal.css for the horizontal output

Visitors Statistics line by line

View when using the template mod_visitors_fe_all:

Visitor Statistics	
Online:	2
Visits today:	1
Visits total:	74
Hits today:	2
Hits total:	237
Visits yesterday:	4
Hits yesterday:	11
Page hits:	14
Visitors per day: Ø	4
Counting since:	10.07.2017

Visitors Statistics horizontal output

View when using the template mod_visitors_fe_all:

Visitor Statistics	
Online: 2 Visits today: 1 Visits total: 74 Hits today: 2 Hits total: 237 	
Visits yesterday: 4 Hits yesterday: 11 Page hits: 14 Visitors per day: Ø 4 	
Counting since: 10.07.2017	

Using

At first, you create a new visitor category via the menu item "Visitors". In this then the counter.

Then, create a front end module and build it into the layout of the page.

Here follow the steps, each with the default values. [Technical details](#) will be explained later.

Create the category

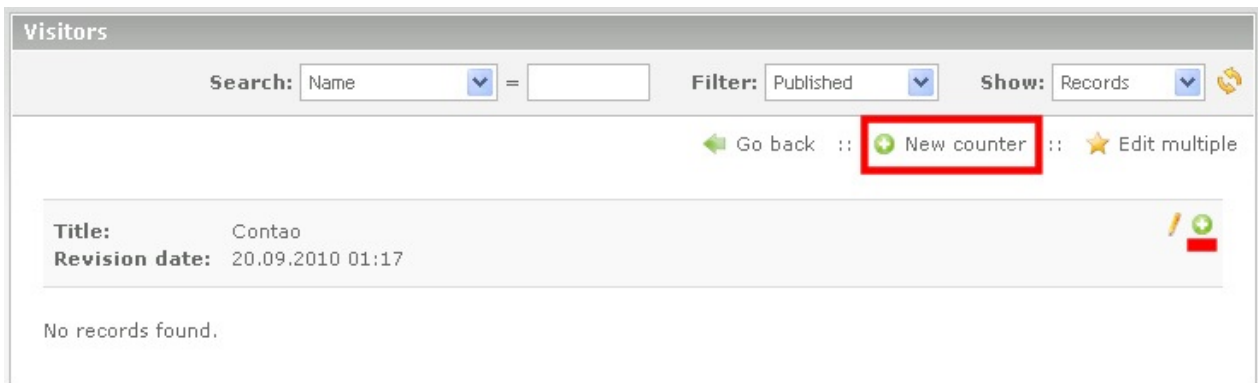
To create a new category, just click on the left in the back end in 'Content' on 'Visitors'. In the main area click on the button 'New category'.



There, enter the name of the category. The front end module will later use this name. Then you click on "Save and close". Now you can see the category overview. By clicking on the pencil in the line of the category and repeated clicking on the pencil in the head of the category you return to the settings of the category.

Create new counter

In the category list now clicking on Edit (pencil) of the category. Now, either click the 'New counter' and then the arrow icon, or click the plus in the head of the category:



Now, some information will be required:

- Name, (is displayed as a heading on the numbers).
- Start date, optional, only for display in font end
- Optional: 'Initial value of visitors/hits'
- Optional: 'Visitors per day'
- Activate "Published"

Then you click on "Save and close".

Create the front end module

A new front-end module is create with:

- Layout -> Themes -> Modules -> Add module

At first, enter the title, and only then select in "Module type": 'Miscellaneous'-'Visitors'. It changes the form fields. In 'Visitors category' now select the previously created category, then 'Save and close'.

Now, the front end module must be included in the layout:

- Layout -> Themes -> Layout -> Edit the used layout

Include in 'Included modules' the just-created front end module (e.g. to left)

Activate demo CSS file

As mentioned above, are provided two CSS file for presentation. For the first tests, copy the file `mod_visitors_fe.css` from the `/web/bundles/bugbustervisitors/css_demo` on the local PC and then import via the back end (Themes -> CSS -> Import) and activate it in the layout.

Technical details

Technical details are inside of the category, in the counter definition and in the generated front end module. This applies to the not previously mentioned form fields and the different front end templates that are included.

Technical details counter definition

Block time

The block time is in seconds. After interruption of the requests at this time, an access from the same IP is counted as an additional visitor.

Default are 1800 seconds, that are 30 minutes.

Technical details front end module definition

Templates

Each front end module can be assigned its own Template. Four different templates are included.

- `mod_visitors_fe_all`
 - All fields are included. (see example above)
- `mod_visitors_fe_hits`
 - Here the visit rows were removed.
- `mod_visitors_fe_visits`
 - Here the hit rows were removed.
- `mod_visitors_fe_invisible`
 - Here, nothing is displayed. This template is used for a pure counting.

For own Templates, the template files must start with `mod_visitors_fe_` and end with `.html5`.

Show to guests only

Hide the module if a member (front end user) is logged in.

Protect module

Show the module to certain member groups only.

No counting for this HTTP_USER_AGENT partial identifier

You can set a custom "UserAgent String" in your browser and in the visitors module configuration.

- Layout -> Themes -> Modules -> Module Name

In the field: "No counting for this HTTP_USER_AGENT partial identifier", you can enter a unique identifier.

Example: CTISOK

In your browser, an add-on should be used. For Firefox that would, for example, the [User Agent Switcher](#)

Insert Tags

Insert Tags are wildcards that are replaced with dynamic content when a page is printed to the screen. The front end module used insert tags. A user needs this only if the front end module is not to be used, but the functions of the extension.

There is the Insert Tag to count the visitors, to show the current values (Visitors, Hits) and for the values of the day with the most visitors.

Show the values

```

{{visitors::catid::name}}
{{visitors::catid::online}}
{{visitors::catid::start}}
{{visitors::catid::totalvisit}}
{{visitors::catid::totalhit}}
{{visitors::catid::todayvisit}}
{{visitors::catid::todayhit}}
{{visitors::katid::yesterdayvisit}}
{{visitors::katid::yesterdayhit}}
{{visitors::katid::averagevisits}}
{{visitors::katid::pagehits}}

```

Insert Tag can be extended with prefix 'cache_'. Thus, these then cache resistant. This means that when a page comes from the Contao cache, then previously are inserted the current values.

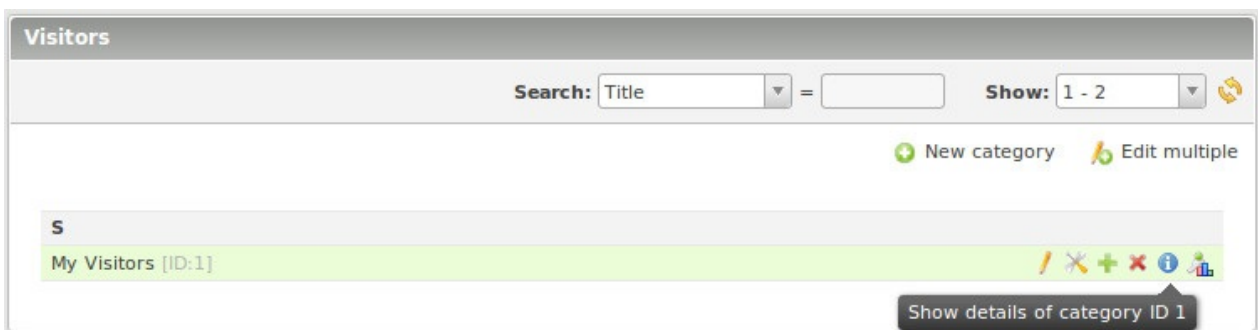
```

{{cache_visitors::catid::name}}
...

```

The counting is continued through the module! Who wants to use to display the insert tags, the module continues to need, but only to count. With the templates `mod_visitors_fe_invisible` the module may be invisible, if desired.

To determine the category ID, go into the category overview of the module with your mouse over the "i" or look at right behind the category name.



For category ID = 1 that would be like that:

```

{{visitors::1::online}}

```

Count

An alternative to "counting only" would be to use an Insert Tag. The front end module itself uses this as well:

```
{{cache_visitors::catid::count}}
```

Example for installation in an article (for category ID = 1):

```
<span style="width:0px;height:0px;">{{cache_visitors::1::count}}</span>
```

It must be noted, that the Insert Tag for the count will be installed at first on the page, so that the counting is performed out before the determination of the values.

More Insert Tags

There are Insert Tags for display the values of the day with the most visitors.

```

{{visitors::catid::bestday::date}} - Day (Date) with the most visitors
{{visitors::catid::bestday::visits}} - Number of visitors of the day with most visitors
{{visitors::catid::bestday::hits}} - Number of hits of the day with most visitors
or
{{cache_visitors::catid::bestday::date}}
{{cache_visitors::catid::bestday::visits}}
{{cache_visitors::catid::bestday::hits}}

```

The "date" insert-tag has an optional parameter to format the date output. (m.d.Y , Y-m-d, etc.) The system setting is used as default. As a separator, a ":" are used.

A complete example (with category 1):

```

Best Day: {{visitors::1::bestday::date::j. F Y}} with
{{visitors::1::bestday::visits}} visitors (and {{visitors::1::bestday::hits}}
hits)

```

results:

```

Best Day: 31. August 2010 with 25 visitors (and 123 hits)

```

Specific features

Here are some specifics that must be observed.

No counting

No front end access is counted when you are logged on at the same time in the back end.

Visitors per day: $\emptyset = 0$

The average value per day will be calculated for each full calendar day. So, having only one day before a counting or a counting of the current day, no meaningful value can be calculated.

(average = number visitors)

In these cases appears "0".

Bot Detection off

Who wants to count the hits from bots and search engines, can switch off the bot detection. This is made by the file localconfig.php.

This applies to all Visitors modules when several front end modules have been created!

The following entry to the end of localconfig.php (after: `### INSTALL SCRIPT STOP ###`) switching off the bot detection:

```
$GLOBALS['TL_CONFIG']['mod_visitors_bot_check'] = false;
```

Data privacy

A few words about data privacy. Unlike most other visitor statistics tools, Visitors does not store the raw data and evaluates them later. The necessary evaluations are executed immediately. The final statistics are saved, except for the IP address, see the notes in the following chapters. Thus, the target of data avoidance and data minimization is reached optimally.

Data collection

IP address

For detecting of different visitors the IP address is used exclusively. JavaScript and cookies are not used.

Browser-Agent and Referrer

For additional statistics the browser agent is read and the referrer, if available. Both will be separately saved regardless of the IP address , and may therefore not be associated. (pure counting)

Data storage

IP address

It will not be stored, the IP address of the visitor. Except for detecting bots/crawler/spider, the IP address is also not used for further analysis purposes. With the IP address and other internal data a pseudonym is generated in the form of a hash value. A reverse calculation is conceivable, but only with considerable effort. The hash value is not associated with any other statistical analysis.

Browser-Agent and Referrer

For the browser agent, it stores the combinations of browser, language, OS with a count value, not the complete Agent string. When the referrer URL is stored with count value and time stamp of the last occurrence, with no link to IP address or browser agent.

Data management

The hash values for the detection of different visitors are checked with every call, Elapsed time hash values will be deleted. Holding time is equivalent to the block time, the default value is 1800 seconds, ie 30 minutes. Referrer values are currently deleted depending on the type after 90 or 120 days.

The number of visitors / hits per day is stored permanently, the other evaluations are generated from it. This storage can be deleted via the back end, the counter starts then again at 0.