EXT: Piwik

Extension Key: piwik

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Please report all bugs and feature request at http://forge.typo3.org/projects/show/extension-piwik

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The content of this document is related to TYPO3 - a GNU/GPL CMS/Framework available from www.typo3.com

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Introduction

The extension implements Piwik tracking in TYPO3-based websites.

Piwik is a new open source (GPL license) web analytics product. It gives interesting reports on your website visitors, your popular pages, the search engines keywords they used, the language they speak… and so much more. To learn more about Piwik, go to http://piwik.org.

This extension is a reimplementation of m1_google_analytics, but for Piwik. It uses documentation and some code resemblance from Frank Naegler's original Piwik extension and from Ulrich Wünsche's Piwika2 extension.

Credits

This extension had some revisions and includes ideas from other extensions to be honest to the guys who had the ideas here some credits – thank you guys

- Frank Nägler **piwik** first version of this extension

- Jörg Winter **bn1_piwik** first piwik extensions with new tracking code

- Ulrich Wuensche **piwika2** force valid (X)HTML in the output

- Ingo Pfennigstorf for cleanups and fixing the tracking of non-javascript visitors.

What does it do?

The extension inserts the javascript-code used for tracking website users with Piwik, directly before the closing body-tag.

For integrating Piwik as a TYPO3 Backend module please have a look at EXT:piwikintegration

Piwik implements the Javascript tracking code for the new Piwik Javascript tracking API that is included since Piwik 0.4

The following Piwik Tracking Functions can be configured with Typoscript.

- piwikTracker.setDocumentTitle()
- piwikTracker.trackGoal()
- piwikTracker.setDomains()
- piwikTracker.enableLinkTracking()
- piwikTracker.setIgnoreClasses()
- piwikTracker.setDownloadClasses()
- piwikTracker.setLinkClasses()
- piwikTracker.setLinkTrackingTimer()
- piwikTracker.setDownloadExtensions()
- piwikTracker.addDownloadExtensions()

If you are a logged in Backend-User your Frontend hits will not be tracked by Piwik.

Users manual

To install Piwik on your website follow these steps:

1. Install Piwik and create your Piwik account, for more information see http://piwik.org/
2. To enable Piwik tracking in your website, we need to know your site ID and hostname of the piwik installation.
3. Install the plugin from TYPO3 online repository and enable it
4. Add this configuration options to your template (both parameters are required):

```
config.tx_piwik {
        piwik_idsite = (your site id)
        piwik_host = (host/path of your piwik installation without URL-scheme)
}
```

That's all you need to start tracking your visitors. See "Configuration" section for more config options and description of the parameters.

Configuration

All configuration parameters for this extension should be in your template TypoScript, inside the config.tx_piwik container. Please see the option descriptions below.

Static Template

Please include the shipped static template as usual

Required parameters

Defines your Piwik site id and host/path to your piwik installation. This parameter needs to be set for the extension to work. If your Sites ID is 3 and the path your piwik installation is stats.myhost.rl/piwik/piwik.php, your TypoScript in the template should look like:

```
config.tx_piwik {
        piwik_idsite = 3
        piwik_host = stats.myhost.rl/piwik/
}
```

Once you set up this parameter, you can check if everything worked correctly by looking at your pages HTML source. The piece of code that drives Piwik is inserted right before the closing tag of <body> container:

```
<!-- Piwik -->
<script type="text/javascript" src="http://stats.myhost.rl/piwik/piwik.js"></script>
<script type="text/javascript">
        /* <![CDATA[ */
                try {
                        var piwikTracker=Piwik.getTracker("http://stats.myhost.rl/piwik/piwik.php",3);
                        piwikTracker.enableLinkTracking();
                        piwikTracker.trackPageView();
                } catch(err) {}

        /* ]]> */
</script>
<noscript><p><img src="http://stats.myhost.rl/piwik/piwik.php?idsite=3&rec=1" style="border:0" alt=""/></p></noscript>
<!-- /Piwik -->
</body>
```

Configuration Options

The following table shows you all configuration options for the Piwik JavaScript API. All these parameters you have to set in your TypoScript Template like the required parameters piwik_idsite and piwik_host.

Configuration options

Property	Data type	Default	Description
piwik_host	string		The host / path to your piwik installation without URL-scheme
piwik_idsite	int		The site id of your Piwik account
actionName	string/ stdWrap	Empty String	This parameter controls the action name, which will be tracked by Piwik. This parameter has one specialkeyword: "TYPO3" this means, that the page title will be used for this parameter. All other values will be rendered directly to this JavaScript variable. If you want to use other JavaScript objects like document.title you can do so. If you want to overwrite the parameter with an static string, like from TS, you have to quote the value with single quotes. This extension will not quote the value of this parameter.
trackGoal	int		ID of the goal to be triggered

Property	Data type	Default	Description
setDownloadExtensions	string	7z|aac|avi|csv|doc|exe|flv|gif|gz|jpe?g|js|mp(3|4|e?g)|mov|pdf|phps|png|ppt|rar|sit|tar|torrent|txt|wma|wmv|xls|xml|zip	A list of file extensions, divided by a pipe symbol.
addDownloadExtensions	string	7z|aac|avi|csv|doc|exe|flv|gif|gz|jpe?g|js|mp(3|4|e?g)|mov|pdf|phps|png|ppt|rar|sit|tar|torrent|txt|wma|wmv|xls|xml|zip	A list of file extensions, divided by a pipe symbol.
setDomains	string / list	By default all links to domains other than the current domain are considered outlinks. If you have multiple domains and don't want to consider links to these websites as "outlinks" you can add this new javascript variable.	A comma separated list of host aliases for your site.
setLinkTrackingTimer	int	500	When a user clicks to download a file, or when he clicks on an outbound link, Piwik records it: it adds a small delay before the user is redirected to the requested file or link. We use a default value of 500ms, but you can set it shorter, with the risk that this time is not long enough to record the data in Piwik.
enableLinkTracking	boolean	1	To disable all the automatic downloads and outlinks tracking, you must set this parameter to 0
setIgnoreClasses	string		You can disable automatic download and outlink tracking for links with this CSS classes
setDownloadClasses	string	If you want Piwik to consider a given link as a download, you can add the 'piwik_download' css class to the link.	With this parameter you can customize and rename the CSS class used to force a click to being recorded as a download
setLinkClasses	string	With this parameter you can customize and rename the CSS class used to force a click to being recorded as an outlink.	If you want Piwik to consider a given link as an outlink (links to the current domain or to one of the alias domains), you can add the 'piwik_link' css class to the link.

TypoScript Examples

Using the stdWrap feature of the "actionName" property, to build a actionName hierarchy like a rootline navigation.

```
config.tx_piwik {
        piwik_idsite = 3
        piwik_host   = http://stats.myhost.rl/piwik/
        actionName= TYPO3
        actionName {
                stdWrap {
                        cObject = HMENU
                        cObject {
                                special=rootline
                                special.range= 1 | -1
                                includeNotInMenu = 1
                                wrap = |/index
                                1=TMENU
                                1.itemArrayProcFunc = user_UrteileItemArrayProcFunc
                                1.NO.allWrap=  |   /   |*| |   /   |*| |
                                1.NO.doNotLinkIt = 1
                        }
                }
        }
}
```

Known problems

The function to prevent FE-Pagehits from tracking for logged in BE-Users will only work if FE and BE are on the same Domain.

To-Do list

http://forge.typo3.org/projects/extension-piwik/issues

Changelog

http://forge.typo3.org/projects/extension-piwik/repository