

# Plugin Tracker Calendar

This [wiki plugin](#) allows to manage tracker items as resources while displaying them in calendar views, or calendar event lists since [Tiki19](#).

The screenshot displays the TrackerCalendar plugin interface for the period of August 26 to September 1, 2019. It is divided into three main sections:

- Resource view:** Shows a calendar grid with resources listed on the left: 'hall (100 seats)', 'main conference room (200 seats)', and 'room 2.1 (50 seats)'. Events are represented by colored blocks on the calendar grid.
- Agenda view:** Shows a detailed view of events for each day from Monday 8/26 to Sunday 9/1. The time slots range from 4pm to 11pm. Events are shown as colored bars with their titles and times.
- List view:** Shows a list of events for the year 2019, grouped by date. The events listed are:
  - August 26, 2019 (Monday): 21:51 - 22:06 - Lightning Talk by Mahatma Gandhi
  - August 27, 2019 (Tuesday): 02:00 - 03:00 - fooo; 16:51 - 18:51 - Opening Talk; 21:51 - 23:51 - Succeed Workshop
  - August 28, 2019 (Wednesday): 18:21 - 18:36 - A lightning Talk by Vandana Shiva; 18:51 - 21:21 - fooo Workshop; 19:21 - 23:21 - Third Workshop; 21:51 - Tackling the speaker system
  - August 29, 2019 (Thursday): 15:21 - 17:21 - Welcome Party

[Click to expand](#)

## Requirements

1. TrackerCalendar wiki-plugin requires "Format to use for tracker field keys" on Admin > Search panel to be set to "Permanent Name", otherwise it will not show the tracker items in the calendar.
2. Beware to set the threshold for the tracker item listing to a value that suits your needs (higher than the number of items that you want to display in the TrackerCalendar). You can increase that threshold (it's 25 items by default) at **Control Panels > Look and Feel > Pagination > Maximum number of records in listings**. See [#Listing\\_threshold](#)
3. Since [Tiki19](#), you need to install an extra package: **fullcalendar-scheduler**, which you can easily add through the web interface to add extra [Packages](#) in Tiki.

## History

This [wiki plugin](#) was added in [Tiki10](#) to allow managing tracker items as resources in a calendar view: i.e. using "Resource View" fork by Jarno Kurlin of [FullCalendar jQuery plugin](#) (original by Adam Shaw) to render the content of a tracker. There is a [profile](#) called "Tracker\_as\_Calendar\_12" (included in the [Profiles Wizard](#) since [Tiki12](#) ) to let users learn by playing with a working instance of it properly set up with demo data. In [Tiki19](#), the underlying library (and related profile) were updated to the [original which has been modernized](#) and now offers Resource View:

- <https://packagist.org/packages/fullcalendar/fullcalendar> built-in
- <https://packagist.org/packages/fullcalendar/fullcalendar-scheduler> available as one of the [Packages](#), for Resource View

In Tiki there is:

Fullcalendar 3.9 & Fullcalendar-scheduler 1.10

Fullcalendar-resoruceviews, version 1.6.1.6 (12/3/13). Latest [released](#) version of Jarno Kurlin's FullCalendar fork is v1.6.4.1 (2014-01-12).

v1.5.3 of (original) FullCalendar by Adam Shaw

## Parameters

Create and display a calendar using tracker data  
*Introduced in Tiki 10. Required parameters are in **bold**.*  
[Go to the source code](#)  
*Preferences required:* wikipugin\_trackercalendar

Parameters	Accepted Values	Description	Default	Since
(body of plugin)		Add list plugin style {filter} and {format} blocks		
<b>begin</b>	word	Permanent name of the field to use for event beginning		10.0
<b>end</b>	word	Permanent name of the field to use for event ending		10.0
<b>coloring</b>	word	Permanent name of the field to use to segment the information into color schemes.		10.0
<b>colormap</b>	text	Colormap to be used when segmenting the information using the coloring field. Each map is composed of value and color separated with a comma, use pipes to separate multiple colormaps: 1, #6cf   2, #6fc		18.0
<b>resource</b>	word	Permanent name of the field to use as the resource indicator		10.0

maxHourOfDay	text	Last time slot that will be displayed for each day, e.g. 24:00:00	24:00:00	19.1
minHourOfDay	text	First time slot that will be displayed for each day, e.g. 07:00:00	07:00:00	19.1
dDay	int	Choose the default day (dd) to use for the display	0	12.1
dMonth	int	Choose the default month (mm, as numeric value) to use for the display. Numeric values here are 1-based, meaning January=1, February=2, etc	0	12.1
dYear	int	Choose the default year (yyyy) to use for the display	0	12.1
fDayOfWeek	int	Choose the day that each week begins with, for the tracker calendar display. The value must be a number that represents the day of the week: Sunday=0, Monday=1, Tuesday=2, etc. Default: (Sunday)	0	12.1
weekends	(blank) y n	Display Saturdays and Sundays (shown by default)	y	
slotDuration	text	Frequency for displaying time slots, e.g. 00:30:00 (defaults to the calendar_timespan preference)	00:30:00	19.1
maxEvents	int	Adjust the maximum number of events to display in calendar views	200	22
aday	(blank) y n	Display the option to change the view to agenda by days	y	12.1
amonth	(blank) y n	Display the option to change the view to agenda by months	y	12.1
aweek	(blank) y n	Display the option to change the view to agenda by weeks	y	12.1
dView	(blank)  month  agendaWeek  agendaDay  list  listMonth  listWeek  listDay  timelineYear  timelineMonth  timelineWeek  timelineDay	Choose the default view for the Tracker Calendar	month	12.1
external	(blank) y n	Follow external link when event item is clicked. Useful for supporting links to pretty tracker supported pages.	n	12.4

lday	(blank) y n	Display the option to change the view to list by days	n	20.1
lmonth	(blank) y n	Display the option to change the view to list by months	n	20.1
lweek	(blank) y n	Display the option to change the view to list by weeks	n	20.1
lyear	(blank) y n	Display the option to change the view to list by years	n	20.1
eventOverlap	(blank) y n	Allow resources to overlap in time.	y	20.1
rday	(blank) y n	Display the option to change the view to resources by days	y	12.1
rmonth	(blank) y n	Display the option to change the view to resources by months	y	12.1
rweek	(blank) y n	Display the option to change the view to resources by weeks	y	12.1
ryear	(blank) y n	Display the option to change the view to resources by years	n	20.1
trackerId	int	Tracker to search from	0	10.0
url	url	Complete URL, internal or external.		12.4
addAllFields	(blank) y n	If Yes (y) all fields in the tracker will be added to the URL, not just the itemId	y	12.4
trkitemid	(blank) y n	If Yes (y) the item id will be passed as itemId, which can be used by Tracker plugins. Will be passed as itemid if No (n)	n	12.4
useSessionStorage	(blank) y n	If Yes (y) copy all the field values into window.sessionStorage so it can be accessed via JavaScript.	y	12.4

## Parameters: Extended

When clicking a calendar item the default action is to open an edit window to change the data values. Setting the "Extended" parameter to "yes" indicates that the standard data entry window should be bypassed and navigation should move to the page specified in the "url" parameter. The URL parameter becomes visible when Extended is set to "yes."

## Passing Values

Several values are passed to the page indicated by the "url" parameter. These values are passed both as [Wiki Argument Variables](#) for use in the Wiki page and JQuery "[sessionstorage](#)" values for easy retrieval via Javascript embedded in the Wiki page. In addition to the values listed in the below table, tracker values for the ItemIds listed in the "List Detail Popup" field will also be passed with the "Item Name" acting as the variable name for the passed value. All spaces in item names are replaced with underscores when used as variable names.

Variable	Description
<b>trackerid</b>	The id number of the tracker that was used to create the calendar
<b>itemid</b>	The id of the data item that was selected to trigger invocation of the called page
<b>title</b>	The value used as the title for the scheduled item selected on the calendar
<b>start</b>	The start time of the item selected on the calendar
<b>end</b>	The end time of the item selected on the calendar

## Parameter: Tracker item id

It is the default action of the trackercalendar plugin to pass "itemId" in mixed case (camel case) that is meaningful to tracker plugins on the page being opened. Setting this value to "no" gives more control of the tracker plugins to the developer by passing itemid in all lower case which is not meaningful to tracker plugins.

An example for when this would be handy is if the tracker on the page being opened is not the same as the one used to generate the calendar. If the intent were to search a related track by the title of the selected calendar item then "Tracker item id" would need to be "no" to prevent the tracker plugin from trying to automatically present the passed ItemId rather than the result of the title search. If the tracker plugin of the page being opened is the same tracker as was used to create the calendar, the page is just intended to present a greater amount of info from the tracker, setting "Tracker item id" to yes would automatically bring up the correct reference.

## Colormap

Since [Tiki18](#), if you want to ensure a consistent color map, you can pin priorities to values using the parameter colormap, with value and color separated with a comma and using pipes to separate multiple colors.

```
{trackercalendar trackerId="3" begin="trac_as_cal_start_date" end="trac_as_cal_end_date"
resource="trac_as_cal_summary" coloring="trac_as_cal_priority" colormap="1,#6cf|2,#6fc|3,#c6f|4,#cf6|5,#f6c|6,#fc6"}
```

This way you can pin values of priorities to given colors. If the value is not in the colormap, then it falls back to the next color from the default list.

## Example 1

This feature can be tested easily when you apply the corresponding profile that is a simple showcase for it:

- [http://profiles.tiki.org/Tracker\\_as\\_Calendar\\_10](http://profiles.tiki.org/Tracker_as_Calendar_10)
- [http://profiles.tiki.org/Tracker\\_as\\_Calendar\\_11](http://profiles.tiki.org/Tracker_as_Calendar_11)
- [http://profiles.tiki.org/Tracker\\_as\\_Calendar\\_12](http://profiles.tiki.org/Tracker_as_Calendar_12)

You can edit a wiki page, and look for the Plugin TrackerCalendar through the help icon, and enter the permanent names of the fields that you want to use for the display. In this example, they come from the installation of Profile "Tracker as Calendar" ([http://profiles.tiki.org/Tracker\\_as\\_Calendar\\_10](http://profiles.tiki.org/Tracker_as_Calendar_10)). It would look like this:

**Tracker Calendar** ✕

Uses full calendar to render the content of a tracker.

**Tracker ID**   
Tracker to search from

**Begin date field**   
Permanent name of the field to use for event beginning

**End date field**   
Permanent name of the field to use for event ending

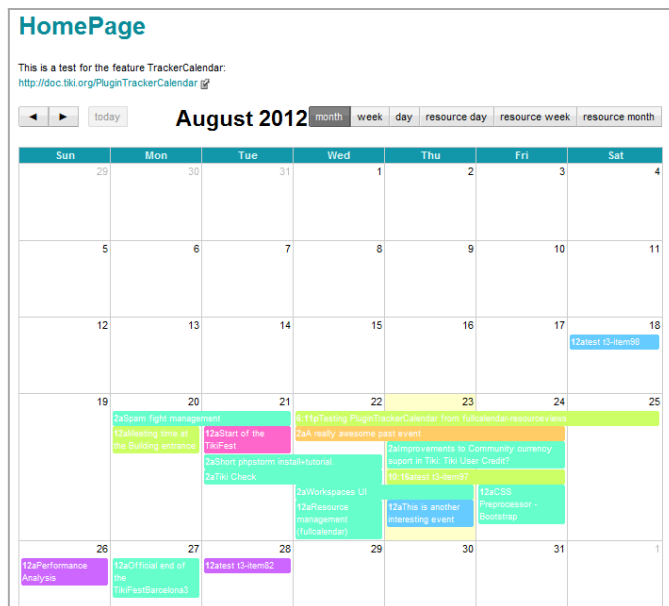
**Resource descriptor field**   
Permanent name of the field to use as the resource indicator

**Coloring discriminator field**   
Permanent name of the field to use to segment the information into color schemes.

Click to expand

This is a test for the feature TrackerCalendar: `http://doc.tiki.org/PluginTrackerCalendar {trackercalendar trackerId="3" begin="trac_as_cal_start_date" end="trac_as_cal_end_date" resource="trac_as_cal_summary" coloring="trac_as_cal_priority"}`

Once you populate the tracker with some more data for the appropriate dates for your case, then they would display in a way similar to the following. Once selected **Month view**, they will display like:



Click to expand

# Week view

HomePage

This is a test for the feature TrackerCalendar:  
<http://doc.tiki.org/PluginTrackerCalendar>

today **Aug. 19 — 25 2012** month week day resource day resource week resource month

all-day	Sun 8/19	Mon 8/20	Tue 8/21	Wed 8/22	Thu 8/23	Fri 8/24	Sat 8/25
7am		2:00 - 2:00 Spam fight management	2:00 - 2:12:00 - 2: Tiki Chat Short pipework request	2:00 - 2:00 Work A Ut	2:00-11:2:00 A Test call plug in past file even	6:11 - 6:10:16 - 6: Testin from Fulcalen resource	6:11 - 6:11 Testin from Fulcalen resource view
8am							
9am							
10am							
11am							
12pm							
1pm							
2pm							
3pm							
4pm							
5pm							
6pm				6:11 Testin			

Click to expand

# Day view

omePage

is a test for the feature TrackerCalendar:  
<http://doc.tiki.org/PluginTrackerCalendar>

today **Thursday, Aug. 23, 2012** month week day resource day resource week resource month

Thursday 8/23

all-day	Thursday 8/23			
7am	2:00 - 2:30 a really awesome past event	6:11 - 6:11 Testin from Fulcalen resource view	2:30 - 2:00 Improvements to Community currency support in Tiki. Tiki User Create?	
8am				
9am				
10am				10:16 - 5:40 Test 15-Jan-07
11am				
12pm				
1pm				
2pm				
3pm				
4pm				
5pm				
6pm				

Click to expand



# Resource Day view

HomePage

This is a test for the feature TrackerCalendar:  
<http://doc.tiki.org/PluginTrackerCalendar>

← → today **Thursday, Aug. 23, 2012** month week day resource day resource week resource month

	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30	19:00	19:30
A really awesome past event	A really awesome past event																									
CSS Preprocessor - Bootstrap																										
Improvements to Community currency support in Tiki: Tiki User Credit?																										
Meeting time at the Building entrance																										
Official end of the TikiFestBarcelona3																										
Performance Analysis																										
Resource management (fulcalendar)																										
Short phpsform install-tutorial.																										
Spam fight management																										
Start of the TikiFest																										
test t3-item82																										
test t3-item97	10-16test t3-item97																									
test t3-item98																										
Testing PluginTrackerCalendar from fulcalendar-resourceviews	Testing PluginTrackerCalendar from fulcalendar-resourceviews																									
PluginTrackerCalendar from fulcalendar-resourceviews																										

Click to expand

# Resource Week view

HomePage

This is a test for the feature TrackerCalendar:  
<http://doc.tiki.org/PluginTrackerCalendar>

← → today **Aug. 19 — 25 2012** month week day resource day resource week resource month

	Sun 8/19	Mon 8/20	Tue 8/21	Wed 8/22	Thu 8/23	Fri 8/24	Sat 8/25
A really awesome past event					20k really awesome past event		
CSS Preprocessor - Bootstrap							
Improvements to Community currency support in Tiki: Tiki User Credit?						20Improvements to Community currency support in Tiki: Tiki User Credit?	
Meeting time at the Building entrance				12Meeting time at the Building entrance			
Official end of the TikiFestBarcelona3							
Performance Analysis							
Resource management (fulcalendar)						12Resource management (fulcalendar)	
Short phpsform install-tutorial.				20Short phpsform install-tutorial.			
Spam fight management				20Spam fight management			
Start of the TikiFest					10Start of the TikiFest		
test t3-item82							
test t3-item97							10-16test t3-item97
test t3-item98	12test						

Click to expand



## List views

The screenshot shows a calendar interface titled 'List view' for the year 2019. At the top, there are navigation buttons: '<< < > >>' and 'today'. Below these are buttons for 'list year', 'list month', 'list week', and 'list day'. The calendar displays events for August 26, 27, and 28, 2019. On Monday, August 26, there is an event 'Testing the speaker system' at 21:51. On Tuesday, August 27, there are three events: 'Welcome Party' (21:51 - 23:51), 'A lightning Talk' (21:51 - 22:06), and 'Lightning Talk' (21:51 - 22:06). On Wednesday, August 28, there are three events: 'Opening Talk' (19:51 - 21:51), 'First Workshop' (21:51 - 23:51), and 'Second Workshop' (21:51 - 23:51). A tooltip is open over the 'Testing the speaker system' event, showing the following details: Location (main conference room (200 seats)), Priority (1), Description (This event was important to test that everything worked as expected.), Start date (2019-08-26 21:51), and End date (2019-08-26 19:51).

Click to expand

## Example 2

```
{TRACKERCALENDAR(trackerId="1" begin="begin" end="end" resource="resource" coloring="project")} {filter content=test me} {filter content="{ {user} }" field=tracker_field_author} {TRACKERCALENDAR}
```

This previous example will list all items from all trackers in the same tiki site (beyond just tracker 1 defined in the params) that have the same fields with permanent names as "begin" and "end", and with field author matching the user viewing the page.

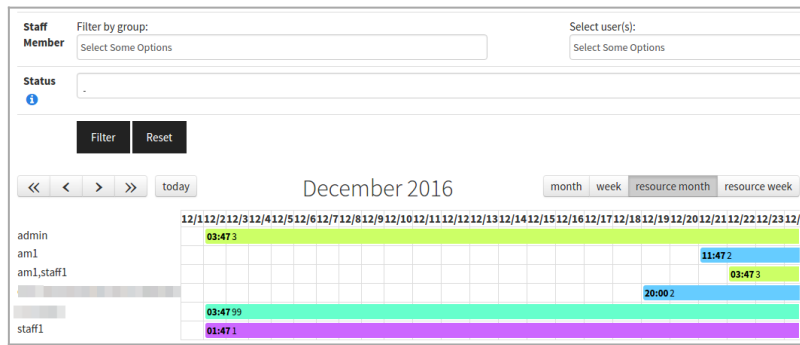
### Please note:

- The permanent name for the user field in this example above is author (not tracker\_field\_author), but for the content filter to work you have to prepend the field permanent name with tracker\_field\_, thus resulting in this case in field=tracker\_field\_author.

## Example 3

```
{TRACKERCALENDAR(trackerId="1" begin="begin" end="end" resource="resource" coloring="project" aweek="y" aday="n" rweek="y" rmonth="y" rday="n" fDayofWeek="1" dView="resourceMonth")} {filter field="tracker_field_author" editable="content"} {filter field="tracker_field_status" editable="content"} {TRACKERCALENDAR}
```

Since [Tiki 16.3](#): This previous example looks initially very similar to the Example 2, but some more default parameters are set to choose which options are shown in the calendar navigation top bar, as well as exposing to filter fields on top of the calendar, which will allow the user to select values and filter in real time based.

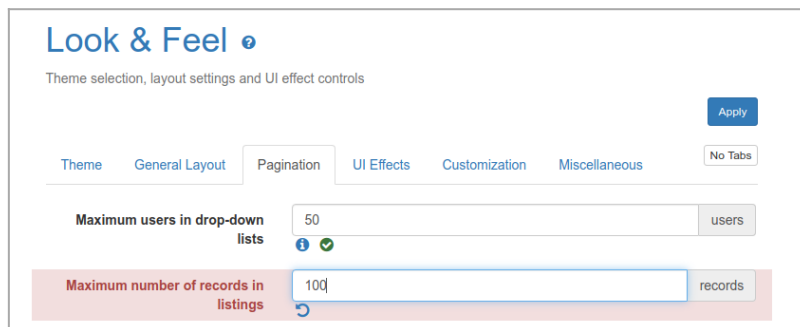


Click to expand

Please note that you can use the parameters `editable="content"` or `editable="exact"` depending on whether you want to allow partial matches with many words, or looking for an match of a full sentence, for instance.

## Listing threshold

Beware to set the threshold for the tracker item listing to a value that suits your needs (higher than the number of items that you want to display in the TrackerCalendar). You can increase that threshold (it's 25 items by default) at **Control Panels > Look and Feel > Pagination > Maximum number of records in listings**:



Click to expand

## Related

- Profiles:
  - [Tracker\\_as\\_calendar\\_19](#)
  - [Tracker\\_as\\_calendar\\_12](#)
- [PluginTracker](#)
- [Trackers](#)
- FullCalendar (original)
  - <http://arshaw.com/fullcalendar/>
- FullCalendar with Resource views (the fork Tiki used between [Tiki12](#) and [Tiki18](#))
  - <https://github.com/jarnokurlin/fullcalendar>
- FullCalendar Scheduler (what Tiki will change to for [Tiki19+](#))
  - <https://github.com/fullcalendar/fullcalendar-scheduler>