

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:** A calendar grid showing resources like 'hall (100 seats)', 'main conference room (200 seats)', and 'room 2.1 (50 seats)'. Events are color-coded and labeled with dates and times, such as '18:00 Welcome Party' and '19:00 Second Workshop'.
- Agenda view:** A vertical timeline view showing events from 4pm to 11pm. It lists events like '18:00-18:30 Welcome Party', '19:00-19:30 Second Workshop', and '20:00-20:30 Welcome Party'.
- List view:** A list of events for the year 2019, grouped by date. It includes details for events on August 26, 27, 28, and 29, such as 'Lightning Talk by Marianne Gaudin' and 'Testing the speaker system'.

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: `wikiplugin_trackercalendar`

Parameters	Accepted Values	Description	Default	Since
(body of plugin)		Add list plugin style {filter} and {format} blocks		
begin	word	Permanent name of the field to use for event beginning		10.0
end	word	Permanent name of the field to use for event ending		10.0

<code>coloring</code>	word	Permanent name of the field to use to segment the information into color schemes.		10.0
<code>colormap</code>	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: <code>1,#6cf 2,#6fc</code>		18.0
<code>resource</code>	word	Permanent name of the field to use as the resource indicator		10.0
<code>maxHourOfDay</code>	text	Last time slot that will be displayed for each day, e.g. 24:00:00	24:00:00	19.1
<code>minHourOfDay</code>	text	First time slot that will be displayed for each day, e.g. 07:00:00	07:00:00	19.1
<code>dDay</code>	int	Choose the default day (dd) to use for the display	0	12.1
<code>dMonth</code>	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
<code>dYear</code>	int	Choose the default year (yyyy) to use for the display	0	12.1
<code>fDayofWeek</code>	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: <code>0</code> (Sunday)	0	12.1
<code>weekends</code>	(blank) y n	Display Saturdays and Sundays (shown by default)	y	
<code>slotDuration</code>	text	Frequency for displaying time slots, e.g. 00:30:00 (defaults to the <code>calendar_timespan</code> preference)	00:30:00	19.1
<code>maxEvents</code>	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

<code>rmonth</code>	(blank) y n	Display the option to change the view to resources by months	y	12.1
<code>rweek</code>	(blank) y n	Display the option to change the view to resources by weeks	y	12.1
<code>ryear</code>	(blank) y n	Display the option to change the view to resources by years	n	20.1
<code>trackerId</code>	int	Tracker to search from	0	10.0
<code>url</code>	url	Complete URL, internal or external.		12.4
<code>addAllFields</code>	(blank) y n	If Yes (y) all fields in the tracker will be added to the URL, not just the itemId	y	12.4
<code>trkitemid</code>	(blank) y n	If Yes (y) the item id will be passed as <code>itemId</code> , which can be used by Tracker plugins. Will be passed as <code>itemid</code> if No (n)	n	12.4
<code>useSessionStorage</code>	(blank) y n	If Yes (y) copy all the field values into <code>window.sessionStorage</code> 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
trackerid	The id number of the tracker that was used to create the calendar
itemid	The id of the data item that was selected to trigger invocation of the called page
title	The value used as the title for the scheduled item selected on the calendar
start	The start time of the item selected on the calendar
end	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.

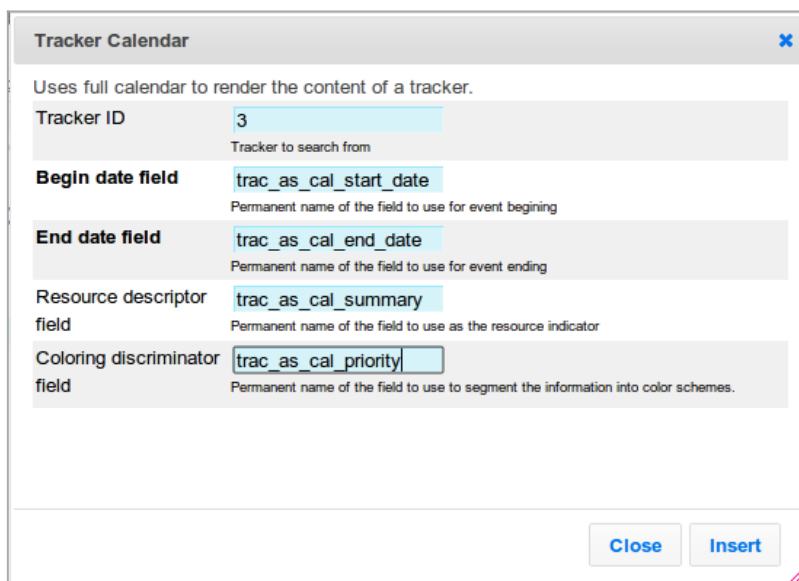
Example 1

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_11
- 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). It would look like this:



The screenshot shows a dialog box titled "Tracker Calendar" with a close button (X) in the top right corner. Below the title bar, there is a description: "Uses full calendar to render the content of a tracker." The dialog contains several configuration fields, each with a label and a text input field:

- Tracker ID:** The input field contains the number "3". Below it, the text "Tracker to search from" is visible.
- Begin date field:** The input field contains "trac_as_cal_start_date". Below it, the text "Permanent name of the field to use for event beginning" is visible.
- End date field:** The input field contains "trac_as_cal_end_date". Below it, the text "Permanent name of the field to use for event ending" is visible.
- Resource descriptor field:** The input field contains "trac_as_cal_summary". Below it, the text "Permanent name of the field to use as the resource indicator" is visible.
- Coloring discriminator field:** The input field contains "trac_as_cal_priority". Below it, the text "Permanent name of the field to use to segment the information into color schemes." is visible.

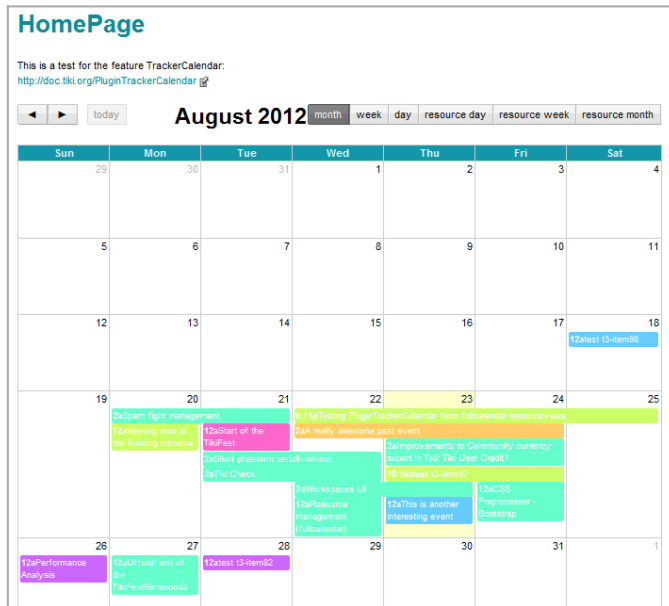
At the bottom right of the dialog, there are two buttons: "Close" and "Insert".

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"

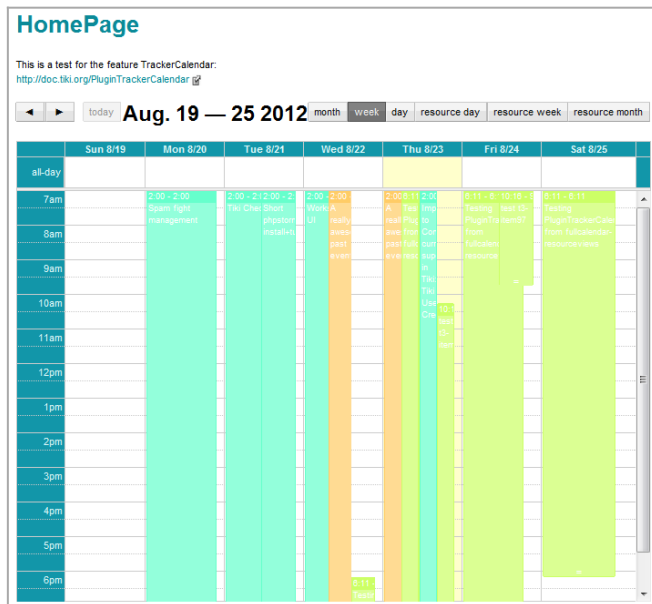
```
resource="trac_as_cal_summary" coloring="trac_as_cal_priority"}
```

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:



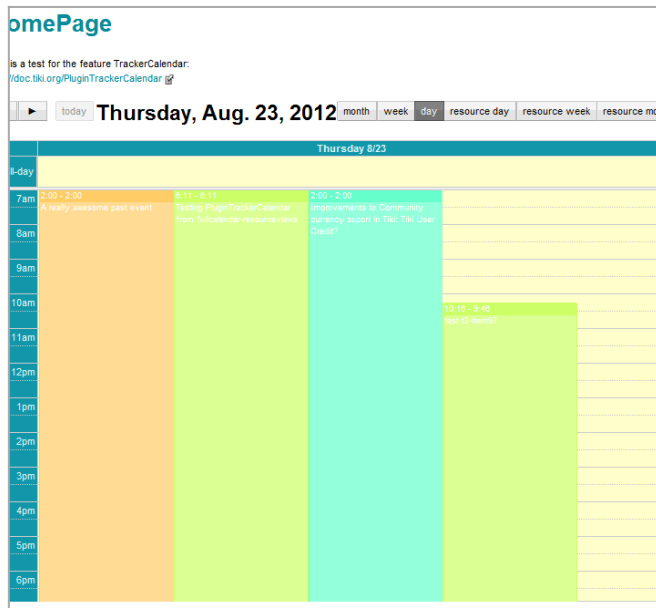
Click to expand

Week view



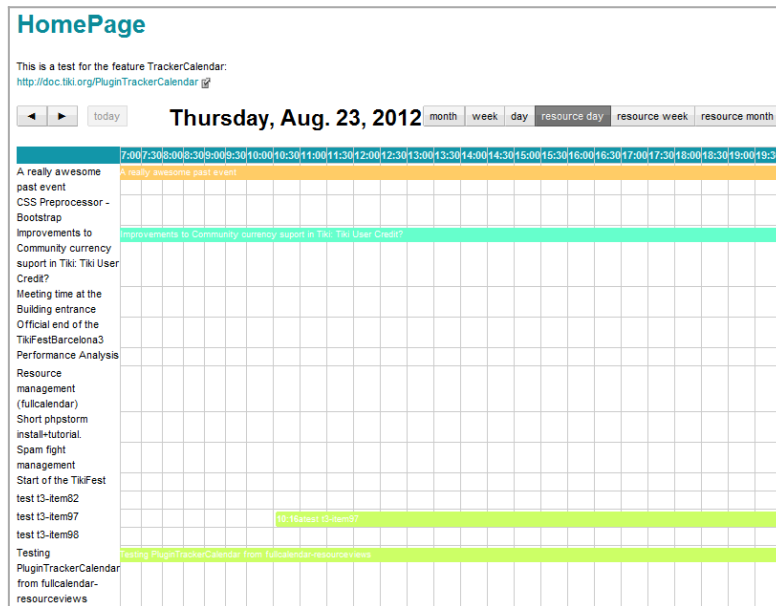
Click to expand

Day view



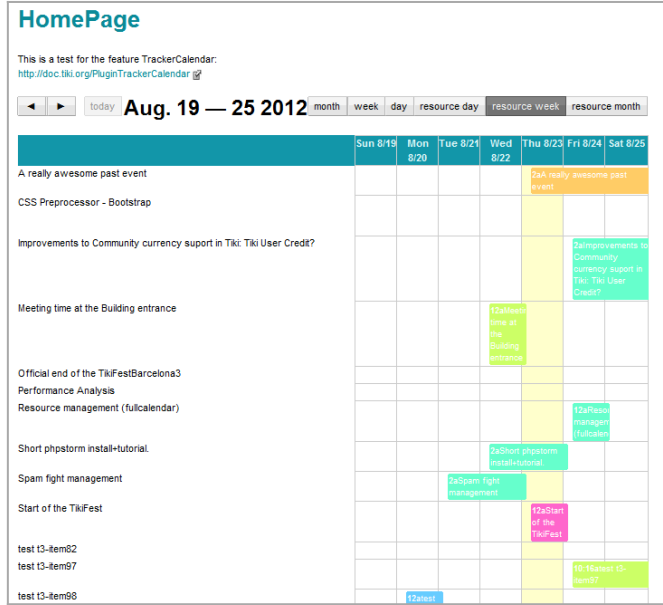
Click to expand

Resource Day view



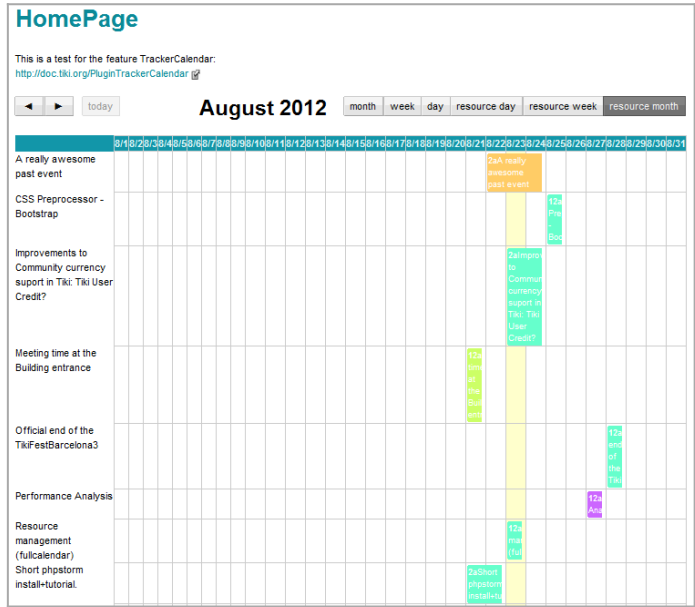
Click to expand

Resource Week view



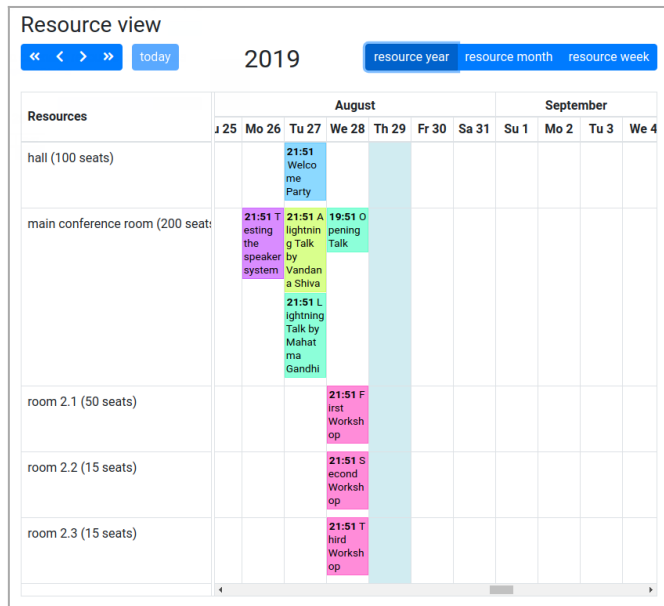
Click to expand

Resource Month view



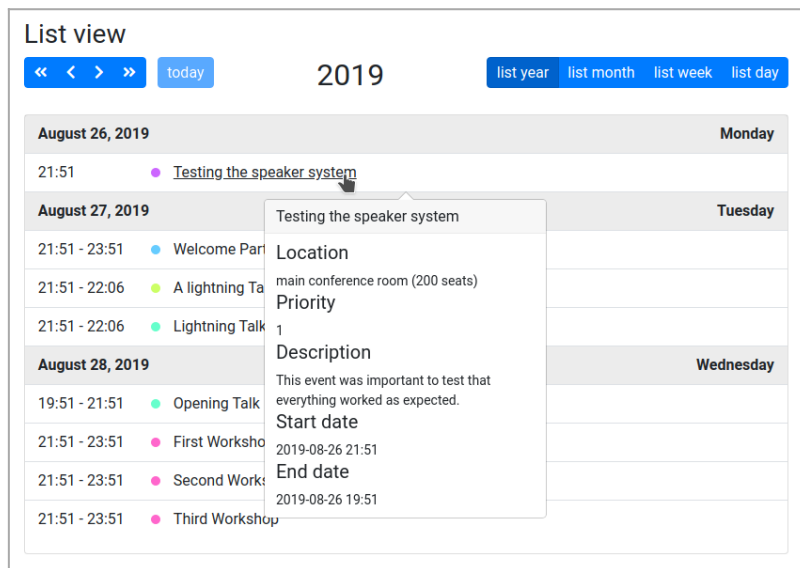
Click to expand

Resource Year view



Click to expand

List views



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.

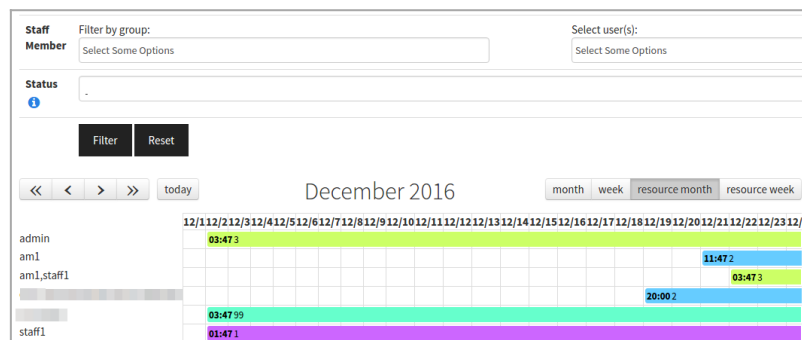
Please note:

- 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.

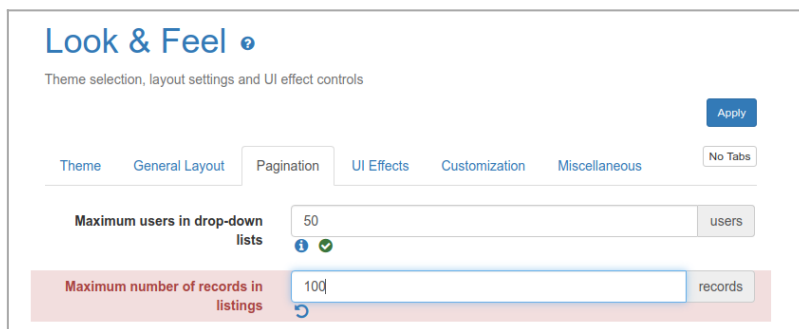


Click to expand

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:**



The screenshot shows the 'Look & Feel' settings page with the 'Pagination' tab selected. The 'Maximum number of records in listings' field is highlighted in red and contains the value '100'. The 'Maximum users in drop-down lists' field contains the value '50'. There is an 'Apply' button in the top right corner and a 'No Tabs' button in the top right corner of the settings area.

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>