Plugin Tracker

Overview

Use this wiki plugin to create a form for inputting an item into a tracker. You can specify what fields will be included in the form. In Tiki6, this plugin can also be used as a simple way to create custom forms which output the result as preformatted wiki pages instead of tracker items.

Parameters

*Introduced in Tiki 1. Required parameters are in bold.*

Preferences required: feature_trackers, wikipugin_tracker

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Accepted Values</th>
<th>Description</th>
<th>Default</th>
<th>Since</th>
</tr>
</thead>
<tbody>
<tr>
<td>(body of plugin)</td>
<td></td>
<td>Confirmation message after posting form</td>
<td></td>
<td></td>
</tr>
<tr>
<td>trackerId</td>
<td>digits</td>
<td>Numeric value representing the tracker ID</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ajax</td>
<td></td>
<td>Use ajax to create and update tracker items instead of form submission via request variables.</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>email</td>
<td></td>
<td>To send an email once the tracker item has been created. Format: *from</td>
<td>to</td>
<td>template* For <em>from</em> and <em>to</em>, use an email address (separate multiple addresses with a comma), a username, a fieldId of a field containing either an email address or a username, a fieldId of a UserSelector or GroupSelector field, or &quot;createdBy&quot; or &quot;lastModifBy&quot; for the item creator or modifier. When username is being used, the email will be sent to the email address of the user on file. When sending to several emails using different template, provide the template name for the message body for each email, i.e., the first template will be used for the first to, the second template if exists will be used for the second from (otherwise the last given template will be used). Each template needs two files, one for the subject one for the body. The subject will be named template_subject.tpl. All the templates must be in the templates/mail directory. Example: <a href="mailto:webmaster@my.com">webmaster@my.com</a></td>
</tr>
<tr>
<td>emailformat</td>
<td></td>
<td>Choose between values text or html, depending on the syntax in the template file that will be used</td>
<td>text</td>
<td>6.1</td>
</tr>
<tr>
<td>preview</td>
<td></td>
<td>To add a preview button with the label set by this parameter. Default: <em>Preview</em>. Useful to preview the computed fields of an item.</td>
<td>Preview</td>
<td>2.0</td>
</tr>
<tr>
<td>reset</td>
<td></td>
<td>Label for the reset button, to return all fields to their default values.</td>
<td>reset</td>
<td>4.2</td>
</tr>
<tr>
<td>tpl</td>
<td></td>
<td>Name of the template used to display the tracker items. In the template, the smarty variable <em>{$id}</em> will be replaced with the appropriate input tag, with <em>id</em> representing the field ID. The form tag and the submit button are generated by Tiki outside the template</td>
<td></td>
<td>2.0</td>
</tr>
<tr>
<td>values</td>
<td></td>
<td>Colon-separated list of default values corresponding to the <em>fields</em> parameter. First value corresponds to first field, second value to second field, etc. Default values can be set by using <em>autosavefields</em> and <em>autosavevalues</em> as URL parameters.</td>
<td></td>
<td>2.0</td>
</tr>
<tr>
<td>Parameter</td>
<td>Description</td>
<td>Default Value</td>
<td>Value Options</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------</td>
<td>---------------</td>
<td></td>
</tr>
<tr>
<td>action</td>
<td>Colon-separated labels for form submit buttons. Default is Save. When set to NONE, the save button will not appear and values will be saved dynamically.</td>
<td>Save</td>
<td></td>
<td></td>
</tr>
<tr>
<td>action_style</td>
<td>Sets button style classes for action buttons. If multiple buttons have been set in the action parameter, the same number of colon-separated styles must be set here. Example: btn btn-secondary:btn btn-success:btn btn-primary float-right</td>
<td>btn btn-secondary</td>
<td></td>
<td></td>
</tr>
<tr>
<td>rulesparent</td>
<td>JQuery selector for the parent object to show or hide when executing field rules.</td>
<td>.form-group:first</td>
<td></td>
<td></td>
</tr>
<tr>
<td>fieldtofilter</td>
<td>Field to filter user tracker items to: view=&quot;user&amp;field&quot;</td>
<td></td>
<td>15.3</td>
<td></td>
</tr>
<tr>
<td>fieldtofiltervalue</td>
<td>Value to filter user tracker items to: view=&quot;user&amp;field&quot;</td>
<td></td>
<td>15.3</td>
<td></td>
</tr>
<tr>
<td>fieldsfilldefaults</td>
<td>Colon-separated list of default values for Multiple Fill Fields.</td>
<td></td>
<td>9.0</td>
<td></td>
</tr>
<tr>
<td>fieldsfillseparator</td>
<td>Choose separator between fields in each line of the Multiple Fill text area. Default is pipe (</td>
<td>).</td>
<td></td>
<td>9.0</td>
</tr>
<tr>
<td>chosenGroup</td>
<td>The user enters this group via the registration (only a single group name is supported)</td>
<td>Registered</td>
<td>15.0</td>
<td></td>
</tr>
<tr>
<td>status</td>
<td>Status of the item used in combination with: view=&quot;user&quot; or view=&quot;user&amp;field&quot;</td>
<td></td>
<td>6.0</td>
<td></td>
</tr>
<tr>
<td>rules</td>
<td>Set up rules on field definitions to show and hide fields conditionally.</td>
<td>n</td>
<td></td>
<td></td>
</tr>
<tr>
<td>userfieldtofilter</td>
<td>User field to filter user tracker items to: view=&quot;user&amp;field&quot;</td>
<td></td>
<td>15.3</td>
<td></td>
</tr>
<tr>
<td>fieldtofiltercriteria</td>
<td>If more than one item found, will choose under this criteria. Used in combination with: view=&quot;user&amp;field&quot;</td>
<td></td>
<td>15.3</td>
<td></td>
</tr>
<tr>
<td>showmandatory</td>
<td>Indicate mandatory fields with an asterisk (shown by default).</td>
<td>y</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>newstatus</td>
<td>Default status applied to newly created or saved items.</td>
<td></td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>outputwikinamespace</td>
<td>Name of namespace that is used for the wiki page that is created when outputting to a wiki page.</td>
<td></td>
<td>13.0</td>
<td></td>
</tr>
<tr>
<td>registration</td>
<td>Add registration fields such as Username and Password for use in registration trackers</td>
<td>n</td>
<td>6.0</td>
<td></td>
</tr>
<tr>
<td>showdesc</td>
<td>Show the tracker's description (not shown by default)</td>
<td>n</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>showfieldsdesc</td>
<td>Show the tracker's field descriptions (shown by default)</td>
<td>y</td>
<td>12.1</td>
<td></td>
</tr>
<tr>
<td>showstatus</td>
<td>Show the status of the items (not shown by default)</td>
<td>n</td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td>showtitle</td>
<td>Display the title of the tracker at the top of the form (not shown by default)</td>
<td>n</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>sort</td>
<td>Display columns in the order listed in the fields parameter instead of by field ID (field ID order is used by default)</td>
<td>n</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td><strong>transactionStep</strong></td>
<td><strong>digits</strong></td>
<td>Transaction step number specifying the order of the transaction steps. The first step must be .</td>
<td>0</td>
<td>15.0</td>
</tr>
<tr>
<td>---------------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
<td>----</td>
<td>------</td>
</tr>
<tr>
<td><strong>transactionName</strong></td>
<td><strong>alpha</strong></td>
<td>The transaction identifier. This identifier connects the various trackers into a single transaction. Must be unique per transaction. The multiple steps in a single transaction must share the same transaction name.</td>
<td></td>
<td>15.0</td>
</tr>
<tr>
<td><strong>transactionPreviousURL</strong></td>
<td><strong>url</strong></td>
<td>The page to go back to when the &quot;previous&quot; button is clicked.</td>
<td></td>
<td>18.4</td>
</tr>
<tr>
<td><strong>transactionPreviousLabel</strong></td>
<td><strong>text</strong></td>
<td>Text for the &quot;previous&quot; button label.</td>
<td></td>
<td>18.4</td>
</tr>
<tr>
<td><strong>url</strong></td>
<td><strong>url</strong> separator: ;</td>
<td>URL the user is sent to after the form is submitted. The string $itemId will be replaced with $itemId=xx where xx is the new (or current) item Id. This parameter can be used in combination with the TABS plugin using ?cookietab=1&amp;itemId (change the cookietab parameter's value depending on the tab you want the user to be sent to).</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td><strong>target</strong></td>
<td>(blank) _blank _parent _self _top</td>
<td>Set the target parameter for the url (determines whether target will open in a new page, etc.)</td>
<td></td>
<td>4.0</td>
</tr>
<tr>
<td><strong>validateusers</strong></td>
<td>(blank) y n</td>
<td>Here one can overrule the default validate users by e-mail preference.</td>
<td></td>
<td>15.0</td>
</tr>
<tr>
<td><strong>view</strong></td>
<td>(blank) group page user userandfield</td>
<td>Determine which items will be affected by the form. If set to user and trackerId is not set, then the user tracker associated with the default group will be affected. If trackerId is set, then the item associated with the user in that tracker will be affected. If set to page, the item associated with that page will be affected (trackerId must be set in this case).</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td><strong>colwidth</strong></td>
<td>## or ##%</td>
<td>Specify the width in pixels or percentage of the first column (the labels) in the tracker form.</td>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td><strong>wiki</strong></td>
<td>pagename</td>
<td>Name of the wiki page containing the template to display the tracker items. This page must have the permission tiki_p_use_as_template assigned to the Anonymous group to be used as a template.</td>
<td></td>
<td>2.0</td>
</tr>
<tr>
<td><strong>autosavevalues</strong></td>
<td>text separator: :</td>
<td>Colon-separated values corresponding to autosavefields. Special syntax cases: categories(x) - selects the first child category under a category with ID x for use in a category field preference(x) - inserts the value of the preference with x being the preference name.</td>
<td></td>
<td>5.0</td>
</tr>
<tr>
<td><strong>discarditem</strong></td>
<td>(blank) y n</td>
<td>Used with outputtowiki - whether to discard the tracker item itself once the wiki page is created, so that, in effect, the tracker is just a vehicle to create form fields to facilitate creating wiki pages.</td>
<td></td>
<td>6.0</td>
</tr>
<tr>
<td><strong>formtag</strong></td>
<td>(blank) y n</td>
<td>If set to Yes (y), the tracker is contained in a tag and has action buttons</td>
<td>y</td>
<td>6.4</td>
</tr>
<tr>
<td><strong>embedded</strong></td>
<td>(blank) y n</td>
<td>Embedded</td>
<td>n</td>
<td>1</td>
</tr>
<tr>
<td><strong>transactionFinalStep</strong></td>
<td>(blank) y n</td>
<td>Indicate whether this is the final transaction step</td>
<td></td>
<td>15.0</td>
</tr>
<tr>
<td><strong>ignoreRequestItemId</strong></td>
<td>(blank) y n</td>
<td>Do not filter on the parameter $itemId if in the url (default is to filter)</td>
<td>n</td>
<td>6.0</td>
</tr>
</tbody>
</table>
**Administration**

- You can limit the tracker fields that can be used in this plugin in the field admin panel of the tracker: "Field is public?" for use with trackerlist plugin option

  For Tiki 9.x, the User Selector field (the "userId" field in your tracker, perhaps), edit the field, Permissions, Visibility, Visible by All (even though that's counter-intuitive (you want those items private to that use)).

- If you have a tracker that has only one item per user/IP or if you use the plugin with the param view=user, the plugin will automatically the item if already exists.

**Examples**

{TRACKER(trackerId="1" fields="1:3:4" action="Send")} Thank for your contribution! {TRACKER}

**How to prefill some fields**

In some situation you want to go in a TRACKER page (for our example named SubmitOrder) where fields are automatically prefills. In this case you can use an URL like this:
When in the page SubmitOrder, you click on save the field 1 will be filled with the value tikiwiki. If the field 1 is multivaluated field (ex: category), the value will be added to the potentially additional value the user has selected whatever the user do.

Tip:
The construction of such url can use the feature 'Wiki argument variables' (see Advanced Wiki Syntax usage examples)

You could also use the url parameter "prefills" with the corresponding "values". See more information here:

- Plugin Tracker Advanced
- PluginTrackerPrefill

See also PluginTrackerList to see how to use the parameter url to transfer an itemId to an URL or PluginJQ if you want to use jQuery.

How to fill an item in more than one step

If you want to fill some fields of an item in a page and to fill some other ones in another page, you need to use the param url with the itemId option.

Example (uses SEFUrl enabled links):
Page1

```
{tracker trackerId="1" fields="1:2:3" url="Page2?itemId"}
```

Page2

```
{tracker trackerId="1" fields="4:5:6" url="Page3?itemId"}
```

Page3 - the final one that will display the currently submitted itemId:

```
{trackerlist trackerId="1" fields="1:2:3:4:5:6"}
```

It is also possible to use tabs and link to each tab using "cookietab".

Note that the tracker item will be saved by sequence so you better check that no mandatory fields rule are on the way.

```
{TABS(tabs="First Tab|Second Tab|Third Tab")}
{tracker trackerId="1" fields="1:2:3" action="Next" url="pageName?cookietab=2&itemId"} /////<
{tracker trackerId="1" fields="4:5:6" action="Next" url="pageName?cookietab=3&itemId"} /////<
{TRACKER(trackerId="1" fields="7:8:9" action="Save")}Saved!{TRACKER}
{TABS}
```

How to put multiple tracker plugins into a single transaction?

New in Tiki15
Plugin tracker’s transaction feature enables a sequence of trackers to be chained into a single transaction, which is submitted only after the user submits the last tracker form. Otherwise the transaction is cancelled. The easiest way to use the feature is to create a wiki page for each of the steps.

Here is an example.

1. wiki page: Register+Step+1
   ```
   {tracker trackerId="1" fields="2" action="Next" ignoreRequestItemId="y"
   registration="y" chosenGroup="Registered" transactionName="RegistrationTransaction"
   transactionStep="0" transactionFinalStep="n" url="Register+Step+2"}
   ```

2. wiki page: Register+Step+2
   ```
   {tracker trackerId="2" fields="4" action="Finish" ignoreRequestItemId="y"
   transactionName="RegistrationTransaction" transactionStep="1" transactionFinalStep="y"}
   ```

The registration and the tracker records of trackerId 1 and 2 will only get saved after the user presses Finish on Register+Step+2.

How to write a template to display the form elements on the wiki page where is saved the plugin

As mentioned, in a template, use the `{$f_id}` syntax to insert the value of `fieldId=id`. It is also possible and nowadays recommended to use the `{$f_permanentname}` syntax to insert the value of "permanent name" of the tracker field instead of the id. It is also recommended to use a specific custom prefix for all fields of a tracker (one prefix per tracker) to allow to reuse and to provide existing trackers easily with a profile. Syntax: `{$f__prefix_permanentname}`. The prefix can be set in the tracker preference settings.

It is also possible to insert the ItemId itself, which is useful to create new wiki pages with tracker plugins inside. To do this you'll have to add an Auto-Increment Field to your tracker, with the appropriate options to auto-fill it with the itemId. This new field content (itemId value) can then be inserted in the template with the syntax seen above.

Since Tiki 15.1, wiki page templates can be (optionally) used for email notifications using the "wiki:page name tpl" format instead of template_name.tpl files in the templates/mail dir. Tiki will use a page "page name subject tpl" if found. Please mind, that wiki pages are more for quick and easy use cases, for testing and for proof of concept, whilst .tpl files in the servers directory are more reliable and much better to handle in larger projects or for advanced use cases.

Mind: .tpl templates for emails are stored in the folder /templates/mail

How to go from TRACKERLIST to TRACKER on this item

```
{trackerlist trackerId="1" fields="1:2:3:4:5:6" url="Page1?itemId"}
```
Email

How send email to a recipient when new tracker item is created

You can use the parameter email to send an email once the tracker item has been created.

The format for the parameters is : from|to|template.

- **from** is the sender email that will be used for the notification. Multiple address can be set (separate multiple addresses with a comma)
- **to** is the recipient(s) to who the email address will be sent.
  Multiple address can be set (separate multiple addresses with a comma).
  Since Tiki 11 (may be earlier) you can set a tracker field (same item) being used in the tracker plugin template (required).
- **template** is the template(s) to be used for email subject and body. (separate template can be used)
  Using several emails and several templates it is possible to send different email (different subject & body) to different people. (see exemple below)
- The following values can be used for **from** and **to**:
  - **email(s)**, **username(s)**, **fieldId(s)** or **createdBy**
  createdBy was added in ((Tiki 17|Tiki 17 (trunk) )) and **might** be backported to 16.
    username sends to the email of the registered user account and createdBy sends to the email of the currently logged in creator of the item.

Since Tiki 15.1, tracker plugin allow **Items List fields** to be used as the **to** or **from** fields in the email parameter. They will be shown in the form as read only labels. This might be useful in cases such as:

- One tracker defines business shops, with its members to be notified of changes related to that shop. And...
- A second tracker handles data of products from shops, and they have:
  - one field as Item link to relate the product with their corresponding shop where they sell it.
  - another field from the second tracker is an items list, to indicate the person to be notified, as user defined in the first tracker for that shop.
- You use the email parameter in a plugin tracker call to tracker 2, using the field corresponding to the person (as field id in tracker 2) as the recipient or sender of the email.

Since Tiki 16.3, email recipients option allows to set fieldId of a **UserSelector** (including multiple users selected) and **GroupSelector**.

Basic plugin usage

**single recipient, single template**

```markdown
{TRACKER(trackerId="1" fields="1:2:3" action="Send" email="sender@domain.com|recipient@domain.com|templatename.tpl")}{TRACKER}
```
single recipient (creator), default site sender, basic default template (for quick proof of concept)

{TRACKER(trackerId="15" action="Send" email="|createdBy|")}
Thank you for submitting an issue.
We will come back to you as soon as possible.
What you want to do now: ((Issue Tracker|submit another issue)) or ((HomePage|browse the website)) ?
{TRACKER}

single recipient (creator), custom sender, custom template for body, default basic subject

{TRACKER(trackerId="15" action="Send" email="info@example.com|createdBy|mytemplate.tpl")}
Thank you for submitting an issue.
We will come back to you as soon as possible.
What you want to do now: ((Issue Tracker|submit another issue)) or ((HomePage|browse the website)) ?
{TRACKER}

single recipient (creator), custom sender, custom template for body, custom subject template

{TRACKER(trackerId="15" action="Send" email="info@example.com|createdBy|mytemplate.tpl,mytemplate_subject.tpl")}
Thank you for submitting an issue.
We will come back to you as soon as possible.
What you want to do now: ((Issue Tracker|submit another issue)) or ((HomePage|browse the website)) ?
{TRACKER}

Advanced plugin usage

multiple recipients, single template

{TRACKER(trackerId="1" fields="1:2:3" action="Send" email="sender@domain.com|recipient_1@domain.com,recipient_2@domain.com,recipient_3@domain.com|templatename.tpl")}{TRACKER}

In this case it will be sent the same notification to recipient_1, recipient_2 and recipient_3.

multiple recipients, multiple templates

{TRACKER(trackerId="1" fields="1:2:3" action="Send" email="sender@domain.com|recipient_1@domain.com,recipient_2@domain.com,recipient_3@domain.com|templatename_a.tpl,templatename_b.tpl,templatename_c.tpl")}{TRACKER}

In this case each recipient will receive a different notification. recipient_1 will receive email using template_a, recipient_2 will receive email using template_b and recipient_3 will receive email using template_3.
creator plus second recipient, two different body templates and two different subjects

```html
{TRACKER(trackerId="15" action="Send"
email="info@example.com|admin@mysite.com,createdBy|admin-template.tpl,creator-template.tpl,admin-template_subject.tpl,creator-template_subject.tpl")}
Thank you for submitting an issue.
We will come back to you as soon as possible.
What you want to do now: ((Issue Tracker|submit another issue)) or ((HomePage|browse the website)) ?
{redirect page="Test-Tracker-Creator-Email"}
{TRACKER}
```

single recipient (field), custom sender, custom template to fill the tracker plugin, custom template for body, custom subject template

Wiki page

```html
{TRACKER(trackerId="15" action="Send" email="info@example.com|12|mytemplate.tpl"
wiki="Template page")}Thank you!{TRACKER}
```

Template page

```html
{TR()}Name{TR}: {$f_11}
{TR()}Email address{TR}: {$f_12}
```

When filling the form (using the template) the email address from the field 12 will be used as recipient.

**Templates (to create the email subject and email body)**

Each template needs two files, one for the subject one for the body. All the templates must be in the templates/mail directory or (since Tiki15.1) in wiki pages and specified as "wiki:page name tpl" (you have to include the "tpl" exact word in the name without a dot, and place it, for instance, at the end).

**Email body and subject naming conventions**

The naming of these files needs to be slightly different depending on whether you use template files on disk or wiki pages as templates.

**Template files on disk**

If you want to use smarty template files on disk:

- body: "mytemplate.tpl"
- subject: "mytemplate_subject.tpl"

Example:

```html
{TRACKER(trackerId="1" fields="1:2:3" action="Send"
email="sender@domain.com|recipient@domain.com|mytemplate.tpl")}{TRACKER}
```
Note that you don't specify the subject template in the tracker plugin call, but the subject needs to exist with the corresponding name ("mytemplate_subject.tpl" in this case) if you want to have the subject message customized.

Wiki pages as smarty templates

If you want to use wiki pages as smarty templates:

- body: "page name tpl"
- subject: and "page name subject tpl"
  note that the tpl word (without a dot) needs to be prepended with the word "subject " (subject and a space)

Example:

```smarty
{TRACKER(trackerId="1" fields="1:2:3" action="Send" email="sender@domain.com|recipient@domain.com|wiki:page name tpl")}{TRACKER}
```

Note that you don't specify the subject template in the tracker plugin call, but the subject needs to exist with the corresponding name ("page name subject tpl" in this case) if you want to have the subject message customized.

Subject template

Hello, the {tr}item{/tr} "{$f_name}" {tr}was modified at{/tr} {$server_name} in {$mail_trackerName}

Where {$f_name} will the content of the field name, {$server_name} is the domain name and {$mail_trackerName} is the tracker name.

Body template

{tr}Hello{tr}

{tr}Title:{/tr} {$f_name}
{tr}Description:{/tr} {$f_description}

{tr}View the tracker item at:{/tr}
  {$mail_machine_raw}/tiki-view_tracker_item.php?itemId={$mail_itemId}

Template - variable list

Not all wiki variables works (pretty tracker syntax won’t work).

$mail_date
  The current timestamp

$mail_user
  User login
$mail_itemId
The tracker itemId

$mail_item_desc
The item "title"

$mail_trackerId
Tracker id

$mail_trackerName
Tracker name

$mail_machine
URL of the request (example: https://doc.tiki.org/PluginTracker )

$mail_machine_raw
URL of the site root (example: https://doc.tiki.org )

$server_name
Server name (example: doc.tiki.org )

$status
The item's new status (e.g. Open, Pending or Closed, translated)

$f_123 or $f_permanentName
Values of the fields

Related pages
See also:

- PluginTrackerlist - which displays a given tracker items.
- Plugin Tracker Advanced
- Pretty Tracker
- PluginList