

# PluginList format control block

The FORMAT control block is used to create individually formatted objects that can then be used in any of the individual OUTPUT methods.

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## Available filters

Name	Description	Boolean	Sample	Tiki Version
default	Display a default value or a default file when no value is available	no	"empty", "1140" (fileId)	-
format	format the displayed value to something different than the db value (human readable)	no	"trackerrender", "date", "objectlink", etc. (see format parameters <a href="#">here</a> )	-
editable	Make the field editable so the value can be changed from the results display. Inline editing (found in admin control panels => trackers) must be enable. Must be used in conjunction with the trackerrender format (see above) and may require mode="raw" when using it with the table output template}		editable="inline"	-

Note that in some cases the field that will be displayed has its own behavior and it can clash with the format you selected. IE: A tracker field that is a "title" is pre-formatted as a link. If you set the format as "objectlink" (or you set the display inside a link) the display will end broken as Tiki will try to display a link inside a link.

For the default parameter, it's important to remember that the tracker field "Files" works a bit differently than the others with this parameter. The tracker field Files expect an Id from the [File Gallery](#). When most of the other fields type will display the text of the default parameters the default for "Files" must be an existing file in a gallery. The file can be an "anonymous" portrait file or a plain white image or an image with only the text "Not Available", etc. Whatever you feel right for your usage.

## Basic example

In most of the examples shown in [PluginList output control block](#) and [PluginList advanced output control block](#) you will see a FORMAT control block have been used. E.g. in the example shown for Table output as below, two FORMAT control blocks are used:

### Sample using the default table formatting

```
{LIST()} {filter type="trackeritem"} {filter content="water"} {OUTPUT(template="table")} {column field="title_link" sort="title" label="Title" mode="raw"} {column field="description" label="Description"} {column field="event_date" sort="tracker_field_18" label="Event Date"} {OUTPUT} {FORMAT(name="title_link")}{display name="title"}
```

```
format="objectlink"){FORMAT} {FORMAT(name="event_date")}{display name="tracker_field_18"
format="date"}{FORMAT} {LIST}
```

The first FORMAT control block defines an object with the name `title_link` that is displayed in a specific way - this object reference is then used in the column control block in the body of the table OUTPUT. Similarly the second FORMAT control block defines the `event_date` object which is also used in a column control block.

A similar use of the FORMAT control block allows the normal set of Smarty variables, eg `{user}` etc, to be made available in Smarty templates - for example:

**Format example to reference a normal smarty variable**

```
{FORMAT(name="theuser")} { {user} } {FORMAT}
```

This creates a reference object `theuser` with the `userId` of the current user which can then be invoked in a server stored smarty template using the variable `{$row.theuser}`.

## Examples of the use of the FORMAT control block (format and default value)

```
{LIST()} {filter field="tracker_id" content="1"} {filter field="tracker_status" content="o"} {OUTPUT()}
{DIV(class="h3")} {display name="name"} {DIV} {display name="photo"}{display name="email"} {OUTPUT}
{FORMAT(name="name")} {display name="tracker_field_userName"} {FORMAT} {FORMAT(name="photo")}{display
name="tracker_field_userPhoto" format="trackerrender" default="1140"} {FORMAT} {FORMAT(name="location")}{display
name="tracker_field_userLocation" format="trackerrender" default="Unknown"} {FORMAT} {LIST}
```

Default parameter applied on the "photo" field will display a default generic image if not file found.  
 Default parameter applied on the "location" field will display the text "Unknown" if the field is empty.

## Example with comments

You might want to display all comments, and this script will retrieve them:

**Wiki Output Sample**

```
{LIST(cache="n")} {filter type="comment"} {pagination max="10"} {OUTPUT( template="table")} {column field="title"}
{column field="comment_content"} {column field="object_link" mode="raw"} {column field="date"} {OUTPUT} {FORMAT(
name="object_link")} {display name="object_id" format="objectlink"} {FORMAT} {sort mode="date_desc"} {LIST}
```

The FORMAT control block defines an object with the name `object_link` which is displayed in such a way that it is `object_id` which is displayed and formatted as `objectlink`; which makes the id clickable. This object reference is then used in the column control block in the body of the OUTPUT table.

This gives us the following result:

Title	Comment	Thread id	Date
Re: Border in [img]?	The HTML img border tag is deprecated and so isn't recommended. CSS is the modern way to give an image a border. Currently (as of Feb 1 10 anyway) the Quicktag image syntax includes a "class" argument, so it would be easy to add a "border" argument (or something) close to your application specifying a border that suits you, and you'd get a whole lot more control than with HTML. ☺	595	2008-02-21 06:47:00
Border in [img]?	Been searching all over the web and don't see a for any mention of the BORDER modifier in the syntax, which does not appear to be included. I've seen the "tag used to frame images, but it never shows up around the image, so isn't quite the same thing. Was this left out for a reason? Does everyone just use HTML when they want a border?	595	2008-02-14 19:34:48
System Pages List Incomplete - Found Orphaned Headline Page	While trying to clean the system, I found this apparently orphaned page: http://trac.wikiengine.com/index.php?page=WikiSystem+Separators&amp;highlight=system%2Fheading It has system information not listed in the other system pages. I would have plugged it in, but the system pages are linked with a (DOC) extension, and I have not figured that out yet.	592	2008-02-14 02:09:39
Include image	☺ When you add a field as a testarea, then TEE should allow you to use the functionality similar to the pages where you can bold, colour, change font etc for the contents of that testarea.	590	2008-02-04 19:39:45
Comment on Overview	The documentation reads: Each tracker has its own main database. Is this actually correct? Is a new MySQL database set up for each tracker OR is it that a NEW TABLE within the existing MySQL database is set up. Having a table set up would be much more logical in my opinion, perhaps this needs to be corrected? It'd like to have those someone as to which is correct.	589	2008-02-04 17:29:03
some more bugs	There is some problems when I include anything else except text in an expandable area, for example html tables. The next item is interpreted as a part of previous one.	588	2008-01-27 12:16:15
You can enable that permission setting in apache	I use cPanel. Could you please state these instructions in cPanel terms? I have phpMyAdmin, not apache. Please help. Thanks.	581	2008-01-10 18:15:26
Re: Page image bugs	Fixed picture not found img/trace2/alt.gif Thanks!	585	2007-12-11 16:29:58



Title	Comment	Parent Object	Thread Id	Date
Re: Page message bugs	Fixed picture not found img/cms2/blank.gif Thanks!	wiki page: Wiki-System Lists	545	2007-12-13 10:29:58
Non-fatal errors during upgrade	<p>Meeting from 1.9.8.3 to 1.9 (Old Doc) gives a lot of error messages - AFACIS all the ones I saw could be ignored as the changes had already been applied. It would be nice if the script could detect this a bit more closely. MSGS, S.E.G. table types in MYSQL, results are based on post install checks 1) Command: ALTER IGNORE TABLE tbc_comments ADD UNIQUE parentid,parentid, userName, title, commentDate, messageid, in_reply_to Message: Specified key was too long; max key length is 1000 bytes - index currently exists as 'no_repeats' with this structure 2) Command: #2005-10-24 sphing to boost table state and the replace CREATE INDEX x_Page on tbc_Link (url,page) Message: Duplicate key name 'x_Page' - index already exists with this structure 3) Command: #2005-10-25 sphing speed up meta() index CREATE INDEX ContentPage on tbc_searchIndex (location, page) Message: Specified key was too long; max key length is 1000 bytes - index currently exists as 'location' with this structure 4) Command: #2005-11-14 sphing CREATE INDEX parentidType ON tbc_message (parentid, type) Message: Duplicate key name 'parentidType' - index already exists with this structure 5) Command: CREATE INDEX Inps ON users_users (login) Message: Duplicate key name 'Inps' - index already exists with this structure 6) Command: # 2006-06-07 sphing message from 1. (cont.)</p> <p>(cont 4) insert into users_permissions (userName,parentDoc,level,type) values ('No', 'p_admin_objects', 'Can edit object permissions', 'admin', 'No') Message: Duplicate entry 'No', 'p_admin_objects' for key 1 - row already exists 7) Command: insert into users_permissions (userName,parentDoc,level,type) values ('No', 'p_admin_profile', 'admin', 'No') Message: Duplicate entry 'No', 'p_admin_profile' for key 1 - row already exists 8) Command: INSERT INTO users_permissions (userName,parentDoc,level,type) values ('No', 'p_admin_permissions', 'Can admin no modules', 'admin', 'No') Message: Duplicate entry 'No', 'p_admin_permissions' for key 1 - row already exists 9) Command: #sphinx 2006-12-08 ALTER TABLE tbc_objects ADD KEY type (type, objectid) Message: Duplicate key name 'type' - index already exists but with structure type: parentid 10) Command: ALTER TABLE tbc_comments DROP KEY parentid 2 Message: Can't DROP 'parentid'; check that column/key exists - no such index - see 1 above 11) Command: ALTER TABLE tbc_comments DROP KEY parentid 2 Message: Can't DROP 'parentid'; check that column/key exists Command: ALTER TABLE tbc_comments DROP KEY parentid 4 Message: Can't DROP 'parentid'; check that column/key exists Command: ALTER TABLE tbc_comments DROP KEY parentid 5 Message: Can't DROP 'parentid'; check that column/key exists Command: ALTER TABLE tbc_comments DROP KEY parentid 6 Message: Can't DROP 'parentid'; check that column/key exists Command: ALTER TABLE tbc_comments DROP KEY parentid 8 Message: Can't DROP 'parentid'; check that column/key exists - key does not exist 12) Command: ALTER TABLE tbc_comments DROP KEY no_repeats Message: Can't DROP 'no_repeats'; check that column/key exists - 'no' see 1 above.</p>	wiki page: Upgrade 1.9.7 to 1.9	548	2007-12-03 15:05:14
	(cont 4) Was this created later? 13) Command: alter table tbc_comments change userName userName varchar(255) not null default '' Message: Specified key was too long; max key length is 1000 bytes - Error seems incongruous since 200			
Re: Not in my mail	Apn: I've just done a clean install of v1.9.8.3, and there is no WYSIWYG editor in the footer, no PCHolder dir on the site dir: Apn: I: Apn: Note at the top of the documentation page for the feature that it was Sites version 1.6, Tiki-16 includes a WYSIWYG - 1.9.8.3 still uses the normal editor, you need to upgrade to 1.9 in order to use the new one. Mdn:	wiki page: Wyszowy Editor Admin	547	2007-11-29 21:55:35

- <<
- 1
- ...
- 5
- 6
- 7
- 8 (current)
- 9
- 10
- 11
- ...
- 25
- >>

## Using Font Awesome icons instead of content depending on the value of the field content

Tweaking the sample above and using font awesome (integrated in Tiki) you can display corresponding icons for a content. In this demo case we have a tracker with a "gender" field that hold 2 values, "male" or "female". There is a "male" and a "female" icon in Font Awesome and as both use the same term we can assign it to a div type icon and class.

```
{LIST()} {filter field="tracker_id" content="42"} {OUTPUT(template="table")} {column label="Title" field="title" sort="title"} {column label="Gender" field="gender"} {OUTPUT} {FORMAT(name="gender")} {DIV(type=i class=fa fa-{display name="tracker_field_gender"})} {DIV} {FORMAT} {LIST}
```

## Editable inline sample using the table template

```
{column label="First Name" field="firstName" mode=raw} ... {FORMAT(name="firstName")} {display name="tracker_field_firstName" format=trackerrender editable=inline} {FORMAT}
```

## Editable inline sample in a smarty (or wiki) template

In this wikiplugin embedded in a smarty (or wiki) template the field is set to be editable inline (note: format="trackerrender" is required ad well as the Inline editing (found in admin control panels=>trackers)

```
{wikiplugin _name=list} {literal} {filter content="2" field="tracker_id"} {output(template="mytemplate.tpl")} {ALTERNATE()} empty {ALTERNATE} {FORMAT(name="name")} {display name="tracker_field_name" editable="inline" format="trackerrender" default="" } {FORMAT} {/literal} {/wikiplugin}
```

So the 2nd column uses a FORMAT plugin where the contents of the field in question, tracker\_field\_data, is used as the class for a div but the default (used if the data field is empty) is set to be the bootstrap class "hidden" so the contents, the check mark, only appears if there is some data.

Obviously if the data is the name of some other class weird stuff might happen, but for most usual cases, it works as expected and saves having to make a new smarty template just for this simple list.

(Tip and example taken from a message from JonnyB in the developers list - thanks!)

## Using Font Awesome icons instead of content depending on the value of the field content

Tweaking the sample above and using font awesome (integrated in Tiki) you can display corresponding icons for a content. In this demo case we have a tracker with a "gender" field that hold 2 values, "male" or "female". There is a "male" and a "female" icon in Font Awesome and as both use the same term we can assign it to a div type icon and class.

```
{LIST()} {filter field="tracker_id" content="42"} {OUTPUT(template="table")} {column label="Title" field="title"
sort="title"} {column label="Gender" field="gender"} {OUTPUT} {FORMAT(name="gender")}{DIV(type=i class=fa fa-
{display name="tracker_field_gender"})}{DIV}{FORMAT} {LIST}
```

It will display a ♀ if the content of the field = male and a ♂ if the content of the field = female.

## Display an Item Link (tracker item) linked to another item within a template page

When you use a template to display your plugin list you want other item related or linked to the item to open using the same template (or another it doesn't matter) but not to open the trackers built-in system. For this you need to enable the [Alias feature](#) and set it to use the template to display the tracker item, "record-" for this sample.

When you use an item link to link an item to other item (related, friend of, etc.) this is a kind of a problem.

Item link has 2 option to display and item link. Value and Link.

Value display the id of the content (ie: 6).

Link display the value of the content linked to the tracker item (ie: Bernard).

Your link should be like:

```
[record-6|Bernard]
```

So it open the item "Id6" in the "record-" template showing the value "Bernard" for the link.

To achieve this you need to create and use 2 row.

```
{FORMAT(name="name")}{display name="tracker_field_contact" format=trackerrender}{FORMAT}
{FORMAT(name="id")}{display name="tracker_field_contact"}{FORMAT}
```

The first one **with** format=trackerrender will display the content of the tracker Item Link field as it is shown in the tracker (Bernard).

The second one **without** the format=trackerrender will show the real value for this field (6).

The assemble your link as follow:

```
[record-{display name="id"}|{display name="name"}]
```

It will complete the trick and open the item 6 using the record- template while the link displayed will show the right value, Bernard.

## Using smarty to format variables (from Tiki 26+)

Instead of using wiki format, you can specify **template** or **tplwiki** arguments to refer to a smarty template stored in a file or a wiki page. See [PluginList-output-control-block#Parameters](#) for more info on accepted values.

### All the LIST Plugin control blocks

- [PluginList pagination or list control block](#)
- [PluginList filter control block](#)
- [PluginList output control block](#)
- [PluginList format control block](#)
- [PluginList display control block](#)
- [PluginList sort control block](#)
- [PluginList advanced output control block](#)
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