See also Front-ends to Tracker data

Plugin List

If you are searching for the list of all plugins, see All Plugins. A graphical user interface (ListGUI) was added in Tiki18 and massively improved in Tiki19. Starting in Tiki21, it is has been enhanced to use with Federated Search. And new in Tiki26: Sublist.

Introductory Remarks

LIST is a very powerful and flexible wiki plugin that can return and output data (a listing) of information using various sorts, filters, etc. It uses the search data provided by the improved search index so it should be emphasized that this means that only the data that has actually been indexed by the Search and List from Unified Index can be accessed. Good knowledge of how Unified Index works is therefore recommended.

By utilizing a full-text search across most major Tiki features, which is then enhanced by a programmable filter, OUTPUT, DISPLAY, and SORT control blocks, this combination can render almost any information in the database in any format desired. This means that LIST is similar in some respects to Pretty Trackers output of TrackerList plugin but it is not limited to just the Tracker data. When combined with the PluginCustomSearch plugin, LIST can replace TrackerList and TrackerFilter plugin usage and can considerably extend it!! Please also see PluginListExecute.

Please note you can use nested **LIST**.

Control blocks vs. Wiki Plugins

"*Control blocks*" are quite similar to "*wiki plugins*", as they use the very same syntax of parameters and values.
The positions of the parameters can be switched around in wiki plugins as well as in List control blocks. Both allow to leave out the quotation marks around the values of the parameters when the values contain no empty spaces.

However, for both, control blocks and wiki plugins, it makes sense to stick to some best practices in respect of consistent sort order. This is not mandatory but makes it easier to understand the principle, to read the own code, and to work together in teams. This is especially valid for the LIST control blocks, as there are usually a lot of control blocks used in one LIST plugin.

The difference between "*control blocks*" and "*wiki plugins*" is, that you cannot use a "*control block*" stand-alone outside one of the plugins, which use the "*PluginList*" syntax, as there are "*PluginList*", "*PluginCustomSearch*" and "*PluginListExecute*" (?). If you place a single List "*control block*" stand alone on a wiki page, either nothing happens or you'll get an error message.

"*Wiki plugins*", instead, can be used stand-alone anyplace where you can use wiki syntax and, to some extent, you can nest them as well.

Clarifying a potential confusion

Potentially confusing is the difference between a control block and a parameter both called "*format*":

The parameter "*format*" (in lower case) inside the control block "*{display}*" is responsible for how the displayed result is rendered. Maybe it also could have been named "*render*" instead of "*format*", but "*format*" was the naming decision of our coders and that makes sense as well, maybe even better sense for some reason.

The control block "*{FORMAT(name=...)}*" (in upper case) wraps around the control block "*{display}*" and is for example responsible for the reference to the control block column (when we consider the example of a tracker table display).

The other potentially confusing fact is, is the difference and same time similarity of the parameters "*field*" and "*name*", where we use always "*field*" in the *{filter} and in the {column}* inside the "*{OUTPUT(template=table)}*" control block.
Contrarily we use "*name*" in the optional ''{display} and {FORMAT()}'' control blocks.

When we use this ...

```
{filter field="tracker_id" content="10"} {OUTPUT(template="table")} {column
field="tracker_field_permanent_name_1" label="columntitle" mode="raw"} {column
field="tracker_field_permanent_name_2" label="columntitle" mode="raw"} {OUTPUT}
```

... then the "*field*"' *parameter contains a* "Unified Index field"' - in this case a tracker field which we want to display.

But when we use this ...

```
{filter field="tracker_id" content="10"} {OUTPUT(template="table")} {column field="reference_1"
label="columntitle" mode="raw"} {column field="reference_2" label="columntitle" mode="raw"}
{OUTPUT} {FORMAT(name="reference_1")}{display name="tracker_field_permanent_name_1"
format=trackerrender editable=inline default="n.a."}{FORMAT}
{FORMAT(name="reference_2")}{display name="tracker_field_permanent_name_2"
format=trackerrender editable=inline default="n.a."}{FORMAT}
```

... we referenced (passed) the actual value of the "*field*" parameter of control block "*{column ...}*" to the subcontrol block "*{display ...}*" inside the control block '"*{FORMAT(...)*", where we for some reason cannot use a parameter '"field"'.

When we reference the original content of "*field*" from one to another control block, both control blocks need to "*know*" about each other, which you see as obvious, when you have more than only one column. So the content of the column's field parameter will be replaced with a reference string and this reference string has to be repeated in the FORMAT's name parameter. Now the column control block and the FORMAT control block are interlinked with each other. Finally, the original content of the columns field parameter (which is a "Unified Index field") has to be placed into the display's name parameter.

In other words:

"*Unified Index field string*" goes from "*column field*" to "*display name*"
And a "*reference string*" is added to "*column field*" and "*FORMAT name*"

Important to know is the content of the page **Search and List from Unified Index**, where you find a list of all available "*Unified Index fields*" for which you can filter and in respect of tracker based tables you can use to create columns.

Syntax Overview

The overall format is the same as any other plugin:

{LIST()} body content {LIST}

Any of the following control blocks with their own plugin-like syntax are placed in the body of the LIST plugin to define the search query that will be carried out and how the resulting list will be presented :

plugin-like control block	description	version	default or required	see below for more detail
list or **pagination**	The LIST plugin will display 50 results by default but depending on the output you might want to decrease the visible amount of results to improve performance.	pagination from Tiki 11	default is 50 items	see the child page PluginList pagination or list control block for full details and worked examples
filter	is a required control block in the LIST body content and is used to define the search query that will be carried out ie what objects from the complete set that has been indexed by the Unified Search will be included in the resultant list		required	see the child page PluginList filter control block for full details and worked examples

plugin-like control block	description	version	default or required	see below for more detail
OUTPUT	defines what the output 'template' will be by either using one of several standard/built-in templates eg table, medialist or carousel, or by referencing a user-defined wiki or smarty template. For the table template, for example, the body content is used to define which columns/fields are shown		optional	see the child pages PluginList output control block and PluginList advanced output control block for full details and worked examples
ALTERNATE	used in conjunction with the OUTPUT control block it can define an alternative output when an individual item (row) from a search/listing has no value		optional	see the child page PluginList output control block for more details and worked examples
FORMAT	The FORMAT control block is used to create individually templated objects that can then be used in any of the individual OUTPUT methods.		optional	see the child page PluginList format control block for full details and worked examples
DISPLAY:	Used to define placement and formatting of individual objects		optional	see the child page PluginList display control block for full details and worked examples

plugin-like control block	description	version	default or required	see below for more detail
SORT:	allows the resultant list of objects to be sorted in a specified order		optional	see the child page PluginList sort control block for full details and worked examples
index	allows the inclusion of Federated Search results. You can further filter by the _index field using the **filter** control block	20.2	optional	{index federated="y"} or {index federated="myindexprefix_main,myotherindex_main"}

Unable to load the jQuery Sortable Tables feature.

Parameters

While Plugin List is generally configured with plugins (some say *control blocks*) contained in the body as described above, there are a few standard parameters like other plugins, they are:

Search for, list, and filter all types of items and display custom-formatted results.
Introduced in Tiki 7.
Go to the source code
Preferences required: wikiplugin_list, feature_search

Parameters	Accepted Values	Description	Default	Since
(body of plugin)		List configuration information		
`cacheexpiry`	word	Time before cache is expired in minutes.		20.0
`multisearchid`	text	This is for much better performance by doing one search for multiple LIST plugins together. Render results from previous {MULTISEARCH(id-x)}...{MULTISEARCH} block by providing the ID used in that block.		20.0
`cache`	y n a	Cache output of this list plugin.		20.0
`searchable_only`	(blank) 1 0	Only include results marked as searchable in the index.	1	

`gui`	(blank) 1 0	Use the graphical user interface for editing this list plugin.	1	
`allowStickyHeaders`	(blank) n y	Sticky Headers for the table when scrolling top Default value: No	n	26
`cachepurgerules`	text *separator:* ,	Purge the cache when the type:id objects are updated. Set id=0 for any of that type. Or set type:withparam:x. Examples: trackeritem:20, trackeritem:trackerId:3, file:galleryId:5, forum post:forum_id:7, forum post:parent_id:8. Note that rule changes affect future caching, not past caches.		20.0

Basic worked example

step by step instructions to be added here for a basic worked example

In the meantime, you can see a basic working example here: GeoLocation (or play in your tiki with a similar basic example after applying the profile Easy Geoblog, which is available at the Profiles Wizard).

Body content elements of the LIST Plugin

Each of the principle plugin-like control blocks is described in more detail in the following set of child pages:

Additional General Notes on the Syntax

- The field argument in the content filter can contain multiple fields separated by commas.

Available Fields

All the fields that are indexed can be referenced by the various plugin-like control blocks e.g. filter , FORMAT, etc and a complete list of fields for each object type can be found in the Search and List from Unified Index documentation.

More Worked Examples

Example Tracker item with Comments

Item

{LIST()} {pagination max="1"} {filter type="trackeritem"} {filter field="object_id" content=""} {LIST}

Comments

```
{LIST()} {filter type="comment"} {filter field="parent_object_id" content=""} {filter
field="parent_object_type" content="trackeritem"} {LIST}
```

Example Tracker item with a picture (file)

```
{LIST()} {filter field="tracker_id" content="1"} {OUTPUT()} {display name="fathername"}%%%
{display name="fatherpict"}%%% {display name="id"} {OUTPUT}
{FORMAT(name="fathername")}{display name="tracker_field_fatherName"}{FORMAT}
{FORMAT(name="fatherpict")}{display name="tracker_field_fatherPicture"
format="trackerrender"}{FORMAT} {FORMAT(name="id")}{display
name="tracker_field_parentId"}{FORMAT} {LIST}
```

Same Example as above within a table

(see: LIST - OUTPUT control block)

```
{LIST()} {filter content="1" field="tracker_id"} {filter type="trackeritem"}
{OUTPUT(template="table")} {column label="Father Name" field="fathername"} {column
label="Picture" field="fatherpict" mode="raw"} {column label="ID" field="id"} {OUTPUT}
{FORMAT(name="fathername")}{display name="tracker_field_fatherName"}{FORMAT}
{FORMAT(name="fatherpict")}{display name="tracker_field_fatherPicture"
format="trackerrender"}{FORMAT} {FORMAT(name="id")}{display
name="tracker_field_parentId"}{FORMAT} {LIST}
```

Example Blog Post List

This code:

```
{LIST()} {list max="10"} {filter type="blog post"} {filter content="1" field="blog_id"} {LIST}
```

Would produce on this site:

- Check-file-indexing is lost in space ?
- Packages
- Protect all sessions with HTTPS enabled
- Comments enabled for registered users
- Disabled "Users can choose to stay in SSL mode after an HTTPS login" to have SSL login always on.
- Preference feature jquery validation disabled (Preference name: feature_jquery_validation)
- Wiki Structures re-enabled
- Copyright turned off
- DocContributors granted the perms to edit doc.tw.o homepage
- changes to perms and disabling forum

Tutorials

- Tutorial - Display Tracker Data with Plugin List
- LIST plugin demo and nesting tracker items - Youtube

Additional child pages of the LIST documentation

Related

See also:

- PluginTrackerList
- PluginTrackerList To PluginList Converter
- PluginTracker

Aliases

- Plugin List