

PluginList output control block

The OUTPUT control block defines what the output 'template' will be for the results.

Parameters

parameter	value	example	since
downloadable	<i>filename.csv</i>	<code>downloadable="MyData.csv"</code>	18.0
inline	?	n/a	
report	<i>y/n</i>		20.0? (future)
template	<i>file.tpl</i> or <i>built-in template</i> (see below)	<i>my.tpl</i> <code>path/to/template/file/my.tpl</code>	
tplwiki	<i>wiki page</i> (parsed the same as Smarty tpl)	<code>tplwiki="MyTPL"</code>	
wiki	<i>wiki page</i> (parsed including wiki syntax)	<code>wiki="MyTPL"</code>	

Built-in templates

name	purpose	since
carousel	display the data in a carousel (slider)	14.0
count	just count the number of results	15.0
medialist		13.0
table	display the data in a table format	
debug	display all available data for debugging purposes	

Below the simple Wiki Formatting Within Plugin is discussed as well as the standard/built-in templates, e.g., table, medialist and carousel. For user defined wiki or smarty templates see [PluginList advanced output control block](#).

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Basic Wiki Formatting Within Plugin

By placing Wiki syntax directly in the OUTPUT body content, along with the required objects to be displayed, the control block allows a template for each row of output to be constructed within the LIST plugin itself.

In the example below a table is constructed with the table 'header' row placed before the LIST and the table closing characters placed after the LIST. Each row of the table is then created by the LIST plugin with each table cell element generated by the display control block and separated by the usual table separator, i.e., a

|

Wiki Output Sample

```

||Type|Object
{LIST()}
{list max="10"}
  {OUTPUT()}{display name="object_type"}|{display name="object_id"}
  {OUTPUT}
  {ALTERNATE()}This will display if no results are found{ALTERNATE}
{LIST}
||

```

Type	Object
trackeritem	9
trackeritem	37
trackeritem	41
trackeritem	46
trackeritem	48
trackeritem	71
trackeritem	78
trackeritem	82
trackeritem	84

Table Formatting

A simple built-in templating method can be used by setting the OUTPUT template parameter to `table` and then using a column control block in the OUTPUT body content to define the individual columns of the table.

Table Column Control

Column Parameters

editable	<i>inline</i>	11.0
field	tracker field (permanent name) or FORMAT name reference	
label	text	
mode	<i>raw</i>	
sort	tracker field (permanent name) or FORMAT name reference	
translatelabel	<i>y/n</i>	18.0

Column Mode Parameter

When you use table output with a column generating HTML output (like `objectlink` and `trackerrender` formatted values), you should include the `mode="raw"` in the column specification. In the sample below, the column "title" mode is set to **raw** as in the format we want to display an **objectlink**. *Other formats are available; see more about it here: [PluginList display control block](#)*

(Tiki 11+) `editable=inline` will set the field to be editable inline. Required: "Inline editing (found in trackers)" and column should be set to `mode=raw`. e.g:

Sample using the default table formatting

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

No results for query.

Note that the `column` controls (within OUTPUT) are converted to a data array sent to the template. The table formatting uses [Smarty](#) formatting and provides the same capabilities.

(Tiki 18+) `translateLabel="y"` will translate the column label provided the translation is known to Tiki.

The use of the FORMAT control blocks allows individual objects to be 'formatted' and then referenced in the various OUTPUT methods - see [PluginList format control block](#) for more details.

Download CSV of Table Results

(Tiki 18+) `downloadable=filename.csv` parameter can be used to add a Download button which generates a CSV file with all data found in the table. Header row is based on the table headers formatted via `column` mode parameter.

Output formatting with download option

```
{OUTPUT(template="table" downloadable="Sample file.csv")}
...column specification...
{OUTPUT}
```

Table formatting with tableserter

Starting with [Tiki15](#), PluginList can be used with [tableserter](#). Use a `{tableserter}` tag to add the tableserter parameters. See below, which uses the same syntax as above except for the addition of the tableserter tag:

Sample with tracker list and calculation

```
{LIST()}{pagination max="12"}
{filter field="tracker_id" content="17"}
{OUTPUT(template="table")}
{column label="Month" field="month" mode="raw"}
{column label="Started" field="started"}
{column label="Completed" field="completed"}
{column label="Status" field="status"}
{tableserter server="n" sortable="type:reset"
tsortcolumns="type:text|type:none|type:none|type:text"
tsfilters="type:nofilter|type:nofilter|type:nofilter|type:dropdown;empty:empty" tstotals="|
|type:col;label:Total hours|" tstotaloptions="ignore|ignore| |ignore"
tstotalformat="#,###."}
{OUTPUT}
{FORMAT(name="month")}{display name="tracker_field_month" format="objectlink"}{FORMAT}
{FORMAT(name="started")}{display name="tracker_field_started"}{FORMAT}
{FORMAT(name="completed")}{DIV(type="span" class="float-right")}{display
name="tracker_field_completed"}{DIV}{FORMAT}
{FORMAT(name="status")}{display name="tracker_field_status" default=""}{FORMAT}
{LIST}
```

Will produce the following (note that a span and bootstrap class are added to align the numbers as by default tableserter calculation are numbers aligned right)

Month	Started	Completed	Status
September	766	344	Completed
April	878	546	Ahead
July	878	566	Ahead
November	900	800	
January	294	373	Completed
June	444	222	Ahead
February	444	222	Completed
May	777	555	Completed
December	799	276	
March	321	566	Behind
August	321	456	Behind
October	111	666	Completed
Total hours			

Sample adding tableorter functionality

```
{LIST()}
  {filter type="trackeritem"}
  {filter content="water"}
  {OUTPUT(template="table")}
    {column sort="title" label="Title" field="title_link" mode="raw"}
    {column label="Description" field="description"}
    {column sort="tracker_field_18" field="event_date" label="Event Date"}
    {tableorter server="n" sortable="type:reset"}
tsortcolumns="type:text|type:text|type:digit" tsfilters="type:text|type:dropdown|type:digit"
tspaginate="max:10" tscolselect="critical|5|6"}
  {OUTPUT}
  {FORMAT(name="title_link")}{display name="title" format="objectlink"}{FORMAT}
  {FORMAT(name="event_date")}{display name="tracker_field_18" format="date"}{FORMAT}
{LIST}
```

No results for query.

Please note that in some cases, if you want to use the tsfilters, you will need to take into account an extra

column at the beginning for the:

- status field
- checkbox to perform actions on the listed items through the [PluginListExecute](#) you can safely pre-pend, for instance, a "type:nofilter|" at the beginning of the parameters of the `tsfilter` in such cases.

Table: expand table, number of items found, optional title

Starting with [Tiki20](#), `PluginList` has a few optional parameters that work in conjunction with the **table** built-in template. Use a `{tableparams}` tag to add these parameters:

- **allowtableexpansion**: for allowing table expansion (a toggle button to allow wide tables to overflow to the right of the content area rather than be scrollable in a limited-width area) (backported to 19.1 and 18.4)
- **shownbitems**: to show the number of items found. (backported to 19.1 and 18.4)
- **title**: whatever string you use here will be shown above the results table, with tiki syntax. The main purpose of this parameter is to allow for the title *not to show* when there are no results found. (backported to 19.2 and 18.4)

See usage example below:

Table showing items count and with an expand button

```
{LIST()}
  {filter content="1" field="tracker_id"}
{OUTPUT(template="table")}
  {tableparams allowtableexpansion="y" shownbitems="y" title="!This is the title
And this is the subtitle"}
  {column label="Book Title" field="book_title"}
  {column label="Author" field="author"}
  {column label="Pages" field="pages"}
  {column label="Year" field="year"}
{OUTPUT}
  {FORMAT(name="book_title")}{display name="tracker_field_bookTitle"}{FORMAT}
  {FORMAT(name="author")}{display name="tracker_field_bookAuthor"}{FORMAT}
  {FORMAT(name="pages")}{display name="tracker_field_bookPages"}{FORMAT}
  {FORMAT(name="year")}{display name="tracker_field_bookYear"}{FORMAT}
{LIST}
```

Media List Formatting

[Tiki13+](#)

This sample presents a list of [badges](#) obtained by the current user.

Sample using the default media list formatting

```
{LIST()}
  {filter relation="" objecttype="user" qualifier="tiki.badge.received.invert"}
{OUTPUT(template="medialist")}
  {icon field="tracker_field_image"}
  {body field="tracker_field_description"}
{OUTPUT}
```

```
{LIST}
```

No results for query.

Carousel Formatting

Tiki14+

This sample presents agile gallery of images as a Bootstrap Carousel.

Sample using the default Bootstrap Carousel formatting

```
{LIST()}
  {filter field="gallery_id" content="1"}
  {OUTPUT(template="carousel")}
    {carousel interval="2000" wrap="true" pause="hover" id="mycarousel"}
    {body field="pic" mode="raw"}
    {caption field="caption"}
  {OUTPUT}
  {FORMAT(name="pic")}{display format="wikiplugin" name="wikiplugin_img" fileId="object_id"
styleimage="width:100%"}{FORMAT}
  {FORMAT(name="caption")}
  !!! {display name="title" default="Untitled"}
  {display name="description" default=""}{FORMAT}
{LIST}
```

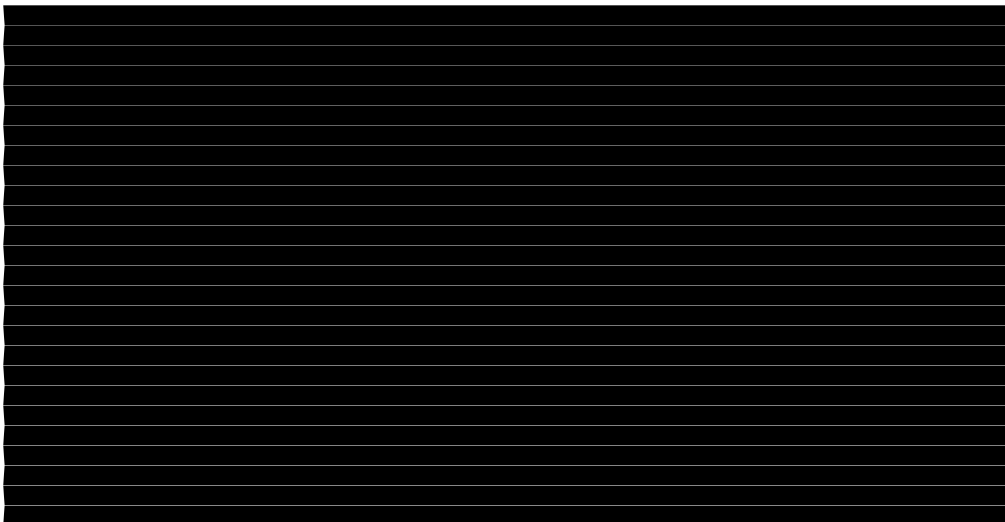
Example

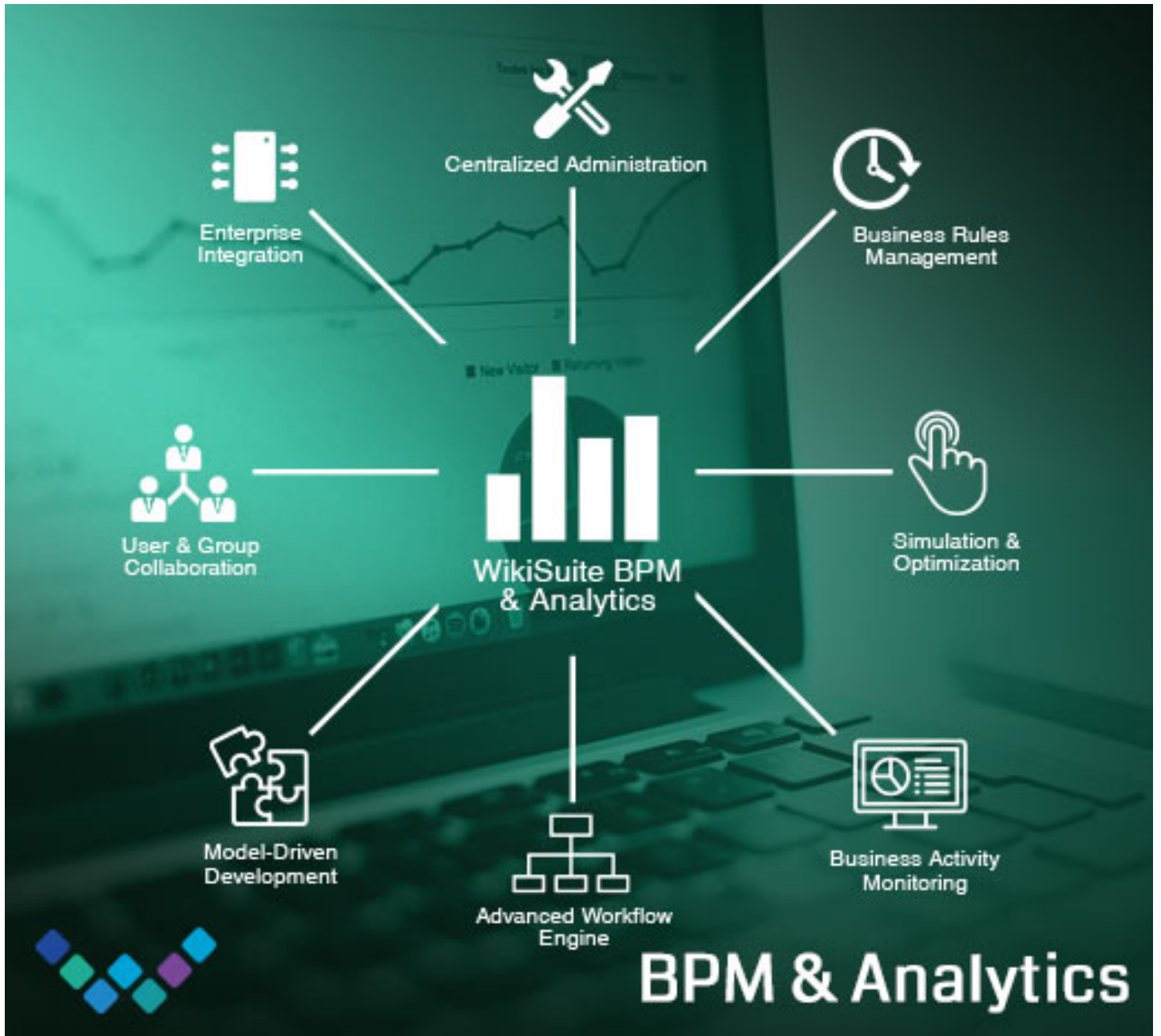
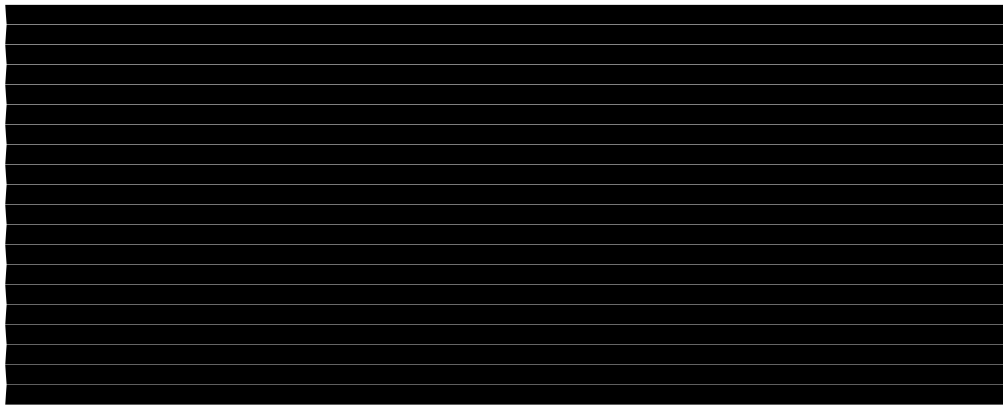




Fade Example

In Tiki 18 you can use a fade transition by adding `mode="fade"` to the carousel tag, and after Tiki 19+ you should use `mode="carousel-fade"`





Count Formatting

Tiki15+

This sample shows how to return a simple count of the number of tracker items in tracker 7. For best performance, it is advised to set the max returned results to 1 to prevent having the index to send all the info for all the results (which will slow the request down unnecessarily).

```
{LIST()}
  {pagination max=1}
  {filter type="trackeritem"}
  {filter field="tracker_id" content="7"}
  {OUTPUT(template="count")}
  {OUTPUT}
{LIST}
```

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Report Formatting

Tiki20+

This allows you to have specific output format in a wiki page using the CALC extension (extend the wiki plugin List) to execute a formula on the whole result set returned by the list plugin, thus - do aggregations on the data. Useful for reports on more than one tracker item or the whole search result set.

(also see [Calculations Syntax](#))

Example:

```
{LIST()}
{filter field="tracker_id" content="45"}
{filter type="trackeritem"}
{OUTPUT(report="y")}
There are {CALC()}(count results){CALC} entries.
The total amounts are {CALC()}
(add (for-each (list results) (formula (if (equals tracker_field_trCurrency (str USD))
tracker_field_trAmount 0))))
{CALC} USD and {CALC()}
(add (for-each (list results) (formula (if (equals tracker_field_trCurrency (str MOP))
tracker_field_trAmount 0))))
{CALC} MOP.
{OUTPUT}
{LIST}
```

The new subtotal function aggregates data based on a single column (username in our case) and applies an aggregate function to the rest of the columns (you can choose which ones and what functions to apply). The example aggregates time sheet entries based on the username and applies the 'add' function to the time sheet minutes and 'count' function to the invoice number field. At the end, we have the data in this format:

user1|1250|3

user2|140|1

which is suitable for [PluginFancyTable](#). As you can see in the example, we put the results in a fancytable, so a nice-looking report is done. You can add as many filters to the LIST plugin as you want, so time-constrained data is returned.

```
{LIST()}
{filter field="tracker_id" content="22"}
{filter type="trackeritem"}
```

```
{OUTPUT(report="y")}
{FANCYTABLE()}
Username|Duration|Invoice
{CALC()}
(subtotal (list results) (group tracker_field_TimeSheetWorkerUsername) (aggregate
tracker_field_TimeSheetMinutesWorked tracker_field_TimeSheetInvoiceFromFreelancer) (formula
add count) (separators (str |) (str ~nl~)))
{CALC}
{FANCYTABLE}
{OUTPUT}
{LIST}
```

Wiki Formatting (Within Plugin)

For each result, the plugin allows to apply a template. See [PluginList advanced output control block](#).

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](#)
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