This was an experiment, but was later (before Tiki19) removed and reports are much better done via PluginList and PluginTrackerList.

New feature in Tiki9

Tiki Report is a new way of creating and extracting data from Tiki in version 9 (trunk at time of writing). They consist of an abstract way of assembling each phase needed to create reports.

You create a Report Definition in which you define an input method, that returns what is possible in your report, and then an output method, that is your desired report criteria based on user input. The report user interface is automatically generated based off of the input method.

The aim with Reports is to eventually have saveable, reusable reports, that generate live data for use in a dashboard or spreadsheet.

Bugs & Wishes

Open and Pending

Wishlist

Closed

<table>
<thead>
<tr>
<th>Rating</th>
<th>Subject</th>
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<th>Easy to solve?</th>
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<th>Comments</th>
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<td>Reports in 9x: Fatal error: Maximum execution time of 300 seconds exceeded in smarty_internal_data.php</td>
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<td>7</td>
<td>5</td>
<td>35</td>
<td>• Error</td>
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<td>2021-10-10</td>
<td>1 marclaporte-10 Oct 21</td>
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<tr>
<td>★★★★</td>
<td>Report shows html code in spreadsheet cells</td>
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<tr>
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<td>Report doesn’t filter by date</td>
<td>Xavier de Pedro</td>
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<td>30</td>
<td>• Error • Consistency</td>
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<td>2012-10-30</td>
<td>2021-10-10</td>
<td>1 marclaporte-10 Oct 21</td>
</tr>
</tbody>
</table>
Things to keep in mind

- Files in `lib/core/Report` folder are used for report building
- Files in `/lib/core/Report/Definition/` are those used to define first what reports can be generated and then their output, unless further developing how reports are generated
  - These files are automatically listed, they probably need feature detection

How to create a definition

- Definitions are an abstract on what can be created from your report

Basic Generic Definition (copy to `/lib/core/Report/Definition` or name "Generic.php"):

```php
class Report_Definition_Generic
```
function input()
{//here we tell report what we can build with out report
return
array("values"=&gt;array(),"options"=&gt;array());
}

function output($values = array())
{//here we assemble report based off of
return $myGenericReportObject-&gt;assemble($values);
}
"options" => array(
    array(
        "label" => tr("Tracker"),
        "name" => "tracker",
        "type" => "single",
        "values" => "trackers",
        "repeats" => false,
        "required" => true,
        "options" => array(
            array(
                "label" => tr("Start"),
                "name" => "start",
                "type" => "date",
                "repeats" => false,
                "required" => false,
            ),
            array(
                "label" => tr("End"),
                "name" => "end",
                "type" => "date",
                "repeats" => false,
                "required" => false,
            ),
            array(
                "label" => tr("Item Id"),
                "name" => "itemId",
                "type" => "single",
                "repeats" => false,
                "required" => false,
            ),
            array(
                "label" => tr("Status"),
                "name" => "status",
                "type" => "multi",
                "values" => "trackerItemStatus",
                "repeats" => false,
            ),
        ),
    ),
),
false,
false,
},
array(
  tr(&quot;Search&quot;),
  &quot;required&quot;=&gt;&quot;&quot;
),

array(
  tr(&quot;Fields&quot;),
  &quot;required&quot;=&gt;&quot;&quot;
)
);}

function output($values = array())
{
  global $tikilib;
  $tracker = $values[&quot;tracker&quot;];
  $qry = TikiLib::lib(&quot;&amp;#039;trkqry&amp;#039;&quot;);
  $qry = $tikilib-&gt;tracker($tracker[
  &quot;itemId&quot;]
  &gt;itemId($tracker[&quot;itemId&quot;][&quot;value&quot;])
  &gt;start($tracker[&quot;itemStart&quot;][&quot;value&quot;])
  &gt;end($tracker[&quot;itemEnd&quot;][&quot;value&quot;])
  &gt;status($allStatus)
  &gt;excludeDetails();
  if (!empty($tracker[&quot;status&quot;])) {
    $allStatus = &quot;&quot;
    foreach($tracker[&quot;status&quot;] as $status) {
      if (!empty($status[&quot;value&quot;])) $allStatus .=
      $status[&quot;value&quot;];
    }
    $qry-&gt;status($allStatus);
  }
}
if (!empty($tracker['search'])) {
    $fieldIds = array();
    $search = array();
    for($i = 0; $i < count($tracker['search']); $i++) {
        if ($tracker['search'][$i] && $tracker['search'][$i + 1]) {
            $fieldIds[] = $tracker['search'][$i];
            $search[] = $tracker['search'][$i + 1];
            $i++            ; //searches are in groups of 2
        }
    }
    if (!empty($fieldIds) && !empty($search)) {
        $qry
            ->fields($fieldIds)
            ->equals($search);
    }
}
$result = $qry-&gt;query();
if (!empty($tracker['fields'])) {
    $newResult = array();
    foreach($result as $itemKey =&gt; $item) {
        $newResult[$itemKey] = array();
        foreach($tracker['fields'] as $field) {
            $newResult[$itemKey][$field['value']] = $result[$itemKey][$field['value']];
        }
    }
    $result = $newResult;
    unset($newResult);
}
return $result;
}
Example 1

- Create a new wiki page, for example, wikiReport
- Paste this simple text into it:

```
{report}
```

- Save the wiki page.
- Click the pencil edit icon to edit the page you just saved.
- A report plugin configuration panel will pop up.
- Perhaps select the Report Type “Tracker”. Select one of your trackers and a couple of fields from that tracker.
- Complete that panel and save it.
- On your wikiReport page, you should now see a table, non-editable, of your tracker data.

Example 2

- This process is still under construction...
- Create a file on your webserver:
  lib/core/Report/Definition/TestReport.php
- Paste into that file the ~150+ lines of code from the "Example for Tracker Definition" above.
- Save that file.
- Follow Example 1 immediately above, but instead of selecting Report Type "Tracker", you will see your new report design "TestReport" in the Report Type drop down list.

Related:

- Help
- Business Intelligence
- Rating Language
- https://www.ohloh.net/tags/report
- http://pipes.deri.org/
- https://www.ohloh.net/p/reportico

alias

- Reports
- UniversalReport
- Universal Report
- UniversalReports
- Universal Reports