

How to use easily LiveGrid's Rico in Php:

(The « how to » is now updated for sorting columns in the grid. Updates are in blue)

Let's use it with data from a mysql database:

1 Let's build the Base :

For our example only 5 fields are needed:

- \$id
- \$titre
- \$genre
- \$classement
- \$date

Structure of the table `gallery`

Database : `photogallery`

```
CREATE TABLE `gallery` (  
  `gal_id` int(11) NOT NULL auto_increment,  
  `gal_titre` varchar(30) collate latin1_general_ci NOT NULL default "",  
  `gal_genre` text collate latin1_general_ci NOT NULL,  
  `gal_clas` text collate latin1_general_ci NOT NULL,  
  `gal_date` date NOT NULL default '0000-00-00',  
  PRIMARY KEY (`gal_id`)  
)
```

2 index.php

Usual HTML page :

```
<html>  
<head>  
<title>Rico LiveGrid Php Demo</title>  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8"></meta>  
<meta http-equiv="Content-Style-Type" content="text/css"></meta>  
<meta name="description" content="Rico LiveGrid Php Demo"></meta>  
...
```

// Openrico styles for the table:

<style>

```
.fixedTable {  
  table-layout : fixed;  
}
```

```
td.cell {  
  padding      : 2px 0px 2px 3px;  
  margin       : 0px;  
  border-bottom : 1px solid #b8b8b8;  
  border-right  : 1px solid #b8b8b8;  
  height       : 22px;  
  overflow     : hidden;  
  font-size    : 11px;  
  font-family: verdana, arial, helvetica, sans-serif;  
  line-height: 12px;  
}
```

```
.first {  
  border-left : 1px solid #b8b8b8;  
}
```

```
.tableCellHeader {  
  padding      : 2px 0px 2px 3px;  
  text-align   : left;  
  font-size    : 11px;  
  border-top   : 1px solid #b8b8b8;  
  border-right : 1px solid #b8b8b8;  
  background-color : #cedebd;  
}
```

</style>

// Call of the javascripts needed :

```
<script src="prototype.js" type="text/javascript"></script>  
<script src="rico.js" type="text/javascript"></script>
```

// Function called to create the LiveGrid :

// opt are used for sorting columns

// 4 parameters : table id to scroll, number of lines to display,

// total number of lines in table, and request handler url that we will write after

// (xml_maker.php)

```
<script language="javascript">
```

```
function bodyOnLoad()
```

```
{
```

```
var opts = {  prefetchBuffer: true, onscroll : updateHeader,  
             sortAscendImg: 'your_path/images/sort_asc.gif',  
             sortDescendImg: 'your_path/images/sort_desc.gif'  
           };
```

//don t forget to upload the .gif on your server

```
new Rico.LiveGrid ("data_grid",10, 15, "xml_maker.php", opts);
```

```
}
```

**// the following function sets the header when scrolling and sorting and makes
bookmarks //possible saving parameters**

```
function updateHeader( liveGrid, offset ) {
```

```
    $('bookmark').innerHTML = "Listing records " + (offset+1) + " - " +  
(offset+liveGrid.metaData.getPageSize()) + " of " +
```

```
    liveGrid.metaData.getTotalRows();
```

```
    var sortInfo = "";
```

```
    if (liveGrid.sortCol) {
```

```
        sortInfo = "&data_grid_sort_col=" + liveGrid.sortCol + "&data_grid_sort_dir=" +  
liveGrid.sortDir;
```

```
    }
```

```
    $('bookmark').href="your_path/index.php" + "?data_grid_index=" + offset +
```

```
sortInfo;
}
</script>
</head>
```

```
// Call the function
```

```
<body onload="javascript:bodyOnLoad();">
```

```
// set the table header
```

```
<a id="bookmark" style="margin-bottom:3px;font-size:12px">Listing records</a>
```

```
// Header Table
```

```
<table id="data_grid_header" class="fixedTable" cellspacing="0"
cellpadding="0" style="width:560px">
<tr>
<th class="first tableCellHeader" style="width:30px;text-align:center">#</th>
<th class="tableCellHeader" style="width:250px;text-align:center">Title</th>
<th class="tableCellHeader" style="width:80px;text-align:center">Genre</th>
<th class="tableCellHeader" style="width:80px;text-align:center">Classement</th>
<th class="tableCellHeader" style="width:60px;text-align:center">Date</th>
</tr>
</table>
```

```
//Creation of the table when page is loaded : here we have a table displaying 10
```

```
// lines on the total of 20 in the table
```

```
// It s better to request 11 firsts.
```

```
<div id="viewPort" style="float:left">
<table id="data_grid" class="fixedTable" cellspacing="0" cellpadding="0"
style="float:left;width:560px; border-left:1px solid #ababab;">
<?
$dbhost = "localhost";
$dblogi = "login";
$dbpass = "password";
```

```

$dbbase = "photogallery";

//Connection to base
$db = @mysql_connect("$dbhost", "$dblogi", "$dbpass") OR DIE("Database is down");
@mysql_select_db("$dbbase", $db) OR DIE;
$query = "select * from gallery order by gal_id desc limit 11";
$result = mysql_query ($query) or die("Query failed : ".mysql_error());
$nb_msg = mysql_num_rows($result);

while ($msg_data = mysql_fetch_array($result))
{
// Lets get the data
$id = $msg_data['gal_id'];
$title = $msg_data['gal_titre'];
$genre = $msg_data['gal_grenre'];
$clas = $msg_data['gal_clas'];
$dat = $msg_data['gal_date'];

// then fill the table
echo "<tr>";
echo "<td class='cell' style='width:30px; text-align: center;'>".$id."</td>";
echo "<td class='cell' style='width:250px; text-align: center;'>".$title."</td>";
echo "<td class='cell' style='width:80px; text-align: center;'>".$genre."</td>";
echo "<td class='cell' style='width:80px; text-align: center;'>".$clas."</td>";
echo "<td class='cell' style='width:60px; text-align: center;'>".$dat."</td>";
echo "</tr>";
}
mysql_close();
?>
</table>
</div>
</body>
</html>

```

```
//That s all for index.php
```

3 Now let s write the request handler : xml_maker.php,

```
<?
```

```
$dbhost = "localhost";
```

```
$dblogi = "login";
```

```
$dbpass = "password";
```

```
$dbbase = "photogallery";
```

```
$db = @mysql_connect("$dbhost", "$dblogi", "$dbpass") OR DIE("Database is down !");
```

```
@mysql_select_db("$dbbase", $db) OR DIE;
```

```
//Set up the vars for sorting and page counter
```

```
$pagesize = ($_GET['pagesize']) ? $_GET['pagesize'] :20;
```

```
$offset = ($_GET['offset']) ? $_GET['offset'] : 0;
```

```
$sort_col = ($_GET['sort_col']) ? $_GET['sort_col'] : 'gal_id';
```

```
// Setup the column to sort... This is how Chris made the sorting...I ll try the  
Rico/Ken way //later (using opts parameter)
```

```
switch($sort_col){
```

```
    case("#"):
```

```
        $sort_col="gal_id";
```

```
        break;
```

```
    case("Title"):
```

```
        $sort_col="gal_titre";
```

```
        break;
```

```
    case("Genre"):
```

```
        $sort_col="gal_genre";
```

```
        break;
```

```
    case("Classement"):
```

```
        $sort_col="gal_class";
```

```
        break;
```

```
    case("Date"):
```

```
        $sort_col="gal_dat";
```

```

        break;

        default : $sort_col="gal_id";

    }

    //Setup the sorting direction
    $sort_dir = ($_GET['sort_dir']) ? $_GET['sort_dir'] : 'ASC';

    //Request to fill the live grid
    $lp_sql = "select * from gallery order by ".$sort_col." ".$sort_dir." limit
    ".$offset.", ".$pagesize;

    $result = mysql_query($lp_sql) or die("Error: ".mysql_error());

    $nb_msg = mysql_num_rows($result);

    header("Content-Type: text/xml");

    //Let's write the xml format required by rico
    $xml = '<?.?xml version="1.0" encoding="ISO-8859-1"??.?>';
    $xml = '<ajax-response><response type="object" id="data_grid_updater"><rows
    update_ui="true">';

    while ($msg_data = mysql_fetch_array($result))
    {
        $xml .= '<tr>';
        $id = $msg_data['gal_id'];
        $title = $msg_data['gal_title'];
        $genre = $msg_data['gal_genre'];
        $clas = $msg_data['gal_clas'];
        $dat = $msg_data['gal_date'];
        $xml .= '<td>'. $id. ' </td>';
        $xml .= '<td convert_spaces="true">'. $title. ' </td>';
        $xml .= '<td>'. $genre. ' </td>';
        $xml .= '<td>'. $clas. ' </td>';
    }
}

```

```
$xml .= '<td>'.$dat.'</td>';  
$xml .= '</tr>';  
}  
mysql_close();  
$xml .= '</rows></response></ajax-response>';  
echo $xml;  
?>
```

// That s all i think!

Test here : <http://jerome.sadou.free.fr/grid>