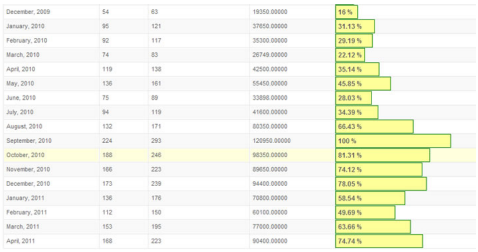
The following tutorial will allow you to enhance the default reporting of Joomla Virtuemart with bar chart.

This tutorial will teach you how you can modify your current panel to show bar charts of every month in the list as show below:



December, 2009	54	63	19350.00000	16 %
January, 2010	95	121	37650.00000	31.13 %
February, 2010	92	117	35300.00000	29.19 %
March, 2010	74	83	26749.00000	22.12 %
April, 2010	119	138	42500.00000	35.14 %
May, 2010	136	161	55450.00000	45.85 %
June, 2010	75	89	33898.00000	28.03 %
July, 2010	94	119	41600.00000	34.39 %
August, 2010	132	171	80350.00000	66.43 %
September, 2010	224	293	120950.00000	100 %
October, 2010	188	246	98350.00000	81.31 %
November, 2010	166	223	89650.00000	74.12 %
December, 2010	173	239	94400.00000	78.05 %
January, 2011	136	176	70800.00000	58.54 %
February, 2011	112	150	60100.00000	49.69 %
March, 2011	153	195	77000.00000	63.66 %
April, 2011	168	223	90400.00000	74.74 %

Please go to the following path and open **reportbasic.index.php**
administratorcomponentscom_virtuemarthtml
First let us explain how it will work. Please find the following snippet of code **(approx. line 225)**:

Before
{codecitation}
```
/* setup the db and query */
 $db = new ps_DB;
 $dbis = new ps_DB;

 $db->query($q);
 $dbis->query($r);
```
{/codecitation}

After
{codecitation} /* setup the db and query */
```
 $db = new ps_DB;
 $dbis = new ps_DB;

 $db->query($q);
 $dbis->query($r);


 $db2 = new ps_DB;
 $dbis2 = new ps_DB;

 $db2->query($q);
 $dbis2->query($r);
```
{/codecitation}

We need an extra DB so that we can get the highest Value of the chart

Now find this line code **(approx. line 248)**:
{codecitation}
```
<table>
 <tr>
 <th><?php echo $VM_LANG->_('PHPSHOP_RB_DATE') ?></th>

 <th><?php echo $VM_LANG->_('PHPSHOP_RB_ORDERS') ?></th>

 <th><?php echo $VM_LANG->_('PHPSHOP_RB_TOTAL_ITEMS') ?></th>

 <th><?php echo $VM_LANG->_('PHPSHOP_RB_REVENUE') ?></th>
```
{/codecitation}

{codecitation} //JCurrent.com
```
 <table>
 <tr>
 <th><?php echo $VM_LANG->_('PHPSHOP_RB_DATE') ?></th>

 <th><?php echo $VM_LANG->_('PHPSHOP_RB_ORDERS') ?></th>

 <th><?php echo $VM_LANG->_('PHPSHOP_RB_TOTAL_ITEMS') ?></th>

 <th><?php echo $VM_LANG->_('PHPSHOP_RB_REVENUE') ?></th>
 <th>Charts</th>
 </tr>
<?php
```

```
 $highest = 0;
 while ($db2->next_record()) {
 $dbis2->next_record();
 if($highest < $db2->f("revenue"))
 { $highest = $db2->f("revenue"); }

$db2->f("revenue");
 }


//JCurrent.com
{/codecitation}
```

We have just added a TH for the Charts and have added the code to calculate the highest value.

Now find this line code **(approx. line 279)**:

```
{codecitation}
<tr>
 <td><?php $db->p("order_date"); ?></td>
 <td><?php $db->p("number_of_orders"); ?></td>
 <td><?php $dbis->p("items_sold"); ?></td>
 <td><?php $db->p("revenue");

 {/codecitation}

{codecitation} //JCurrent.com
 <tr>
 <td><?php $db->p("order_date"); ?></td>
 <td><?php $db->p("number_of_orders"); ?></td>
 <td><?php $dbis->p("items_sold"); ?></td>
 <td><?php $db->p("revenue");
 $VALUE = ($db->f("revenue")/$highest)*100;
 ?> </td>
```

```
 <!-- MOD %age -->
 <td style="border:0px; height:0; padding:0; margin:0"><table cellpadding="0" cellspacing="0"
><tr><td style="border:1px solid green; font-weight:bold; font-size:12px; background:#FFFF99;
height:1px;" width="<?php echo $VALUE*2; ?>px">
 <?php
 echo round($VALUE,2)." %";
 ?>

 </td></tr></table></td>

 </tr>

//JCurrent.com
{/codecitation}
```

Thats All