ORACLE APEX AT WORK

The goal of this blog is simple: To share some of the things I've learned over the last few years using Application Express (APEX).

Friday, 22 November 2013

Report Freeze/Fix Column Header

Hi Guys,

Today I would like to share "How to Freeze/Fix Column Header Row of a Classic Report" which I found very useful when the number of report columns/rows are more per screen.

Have a look into the working example of this implementation:
Report_Column_Header_Freeze_Demo

This can be achieved from the below mentioned steps:

Step 1: Create an classic report and provide an static id to your report.

Step 2: Create an custom report template. Add the below mentioned codes while creating the template in respective section:
Note: I have used the theme "Traditional Blue-20" in my application.

Template Name: Horz/Vert Scroll (Custom 1)
Template Class: Custom 1

Before Rows:

```
<style>#report_#REGION_STATIC_ID# table </style>
<table cellpadding="0" border="0" cellspacing="0" summary="" #REPORT_ATTRIBUTES#
id="report_#REGION_STATIC_ID#">#TOP_PAGINATION#
<tr><td><div id="lh_#REGION_STATIC_ID#" >
<table cellpadding="0" border="1" cellspacing="0" summary="" class="report-standard" bgcolor="#CFE0F1" > </table>
</div></td><td><div id="rh_#REGION_STATIC_ID#">
<table cellpadding="0" border="1" cellspacing="0" summary="" class="report-standard" bgcolor="#CFE0F1"> </table>
</div></td></tr><tr><td><div id="lb_#REGION_STATIC_ID#">
<table cellpadding="0" border="1" cellspacing="0" summary="" class="report-standard" bgcolor="#F2F2F5"> </table>
</div></td><td><div id="rb_#REGION_STATIC_ID#">
<table cellpadding="0" border="1" cellspacing="0" summary="" class="report-standard" bgcolor="#F2F2F5">
```

Column Heading Template:

```
<th#ALIGNMENT# align="center" id="#COLUMN_HEADER_NAME#" class="header">#COLUMN_HEADER#</th>
```

Before Each Row:

```
<tr #HIGHLIGHT_ROW#>
```

Column Template 1:

```
<td#ALIGNMENT# align="center" headers="#COLUMN_HEADER_NAME#" class="data">#COLUMN_VALUE#</td>
```

***After Each Row*:**

```
</tr>
```

***After Rows*:**

```
 </table></div><div class="CVS">#EXTERNAL_LINK##CSV_LINK#</div></td></tr>
#PAGINATION#

</table>
```

***Pagination Sub-template*:** This piece of code will be the same as in other template.

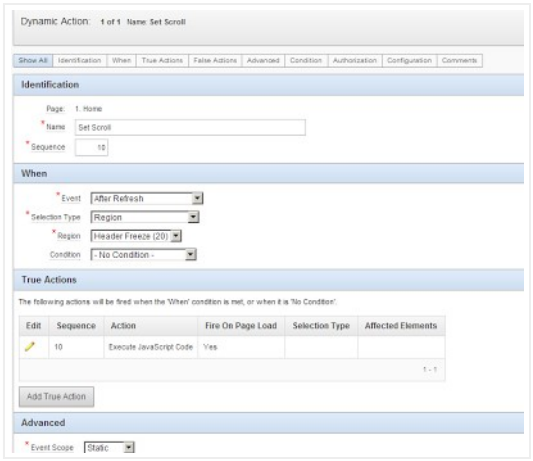
Step 3: Put the below piece of code in JavaScript > Function and Global Variable Declaration section of the page.

```
;(function($){$.fn.htmldbDscroll=function(opt){
 opt=$.extend({
  width:1250,
  height:280,
  freezeColumns:1,
  freezeRows:1,
  addCellWidth:50,
  addRowHeight:2,
  addTblWidth:12,
  scrollWidth:18
 },opt);

 if(opt.freezeColumns<1&&opt.freezeRows<1){
  return this;
 }

 return this.each(function(i){

  var lId=this.id.substr(6)
  /* styles */
  $("#lh"+lId).css({"right":"0","bottom":"0"}).parent().css({"right":"0","bottom":"0"});
  $("#rh"+lId).css({"overflow-x":"hidden","width":opt.width-opt.scrollWidth,"left":"0","bottom":"0"}).parent().css
({"bottom":"0"});
  $("#lb"+lId).css({"overflow-y":"hidden","height":opt.height-opt.scrollWidth,"right":"0","top":"0"}).parent().css
({"right":"0","top":"0","vertical-align":"top"});
  $("#rb"+lId).css({"overflow":"scroll","width":opt.width,"height":opt.height});

  /* report cell width */
  if(opt.freezeRows>0){
   $("#rb"+lId).find("tr:first,tr:eq("+opt.freezeRows+")").children().each(function(){
    var w=$(this).width()+opt.addCellWidth;
    $(this).width(w);
   });
  }else{
   $("#rb"+lId).find("tr:first").children().each(function(){
    var w=$(this).width()+opt.addCellWidth;
    $(this).width(w);
   });
  }

  /* row process */
  if(opt.freezeColumns>0){
   $("#rb"+lId).find("tr").each(function(j){
    var t1=$(this);
    /* set row height and copy row */
    var h=t1.height()+opt.addRowHeight;
    t1.height(h);
```

```
 var t2=t1.clone().empty().append(t1.children(":lt("+opt.freezeColumns+")"));
 if(j>(opt.freezeRows-1)){
  $("#lb"+lId).children().append(t2);
 }else{
  $("#rh"+lId).children().append(t1);
  $("#lh"+lId).children().append(t2);
 }
 });
}else{
 for(var j=0;j<=(opt.freezeRows-1);j++){
  $("#rh"+lId).children().append($("#rb"+lId).find("tr:eq("+j+")"));
 }
}

/* table width */
if(opt.freezeColumns>0){
 if($("#lh"+lId).children().width()>$("#lb"+lId).children().width()){
  var w=$("#lh"+lId).children().width();
  $("#lb"+lId).children().width(w);
  $("#lh"+lId).children().width(w);
 }else{
  var w=$("#lb"+lId).children().width();
  $("#lh"+lId).children().width(w);
  $("#lb"+lId).children().width(w);
 }
}
if($("#rh"+lId).children().width()>$("#rb"+lId).children().width()){
 var h=$("#rh"+lId).children().width()+opt.addTblWidth;
 $("#rb"+lId).children().width(h);
 $("#rh"+lId).children().width(h);
}else{
 var h=$("#lb"+lId).children().width()+opt.addTblWidth;
 $("#rh"+lId).children().width(h);
 $("#rb"+lId).children().width(h);
}

$("#rh"+lId).children().css({"table-layout":"fixed"});
$("#rb"+lId).children().css({"table-layout":"fixed"});

/* scroll */
$("#rb"+lId).scroll(function(){
 $("#rh"+lId).scrollLeft(this.scrollLeft);
 $("#lb"+lId).scrollTop(this.scrollTop);
});
});

})(jQuery);
```

Step 4: Create an Dynamic action with the settings as mentioned below.

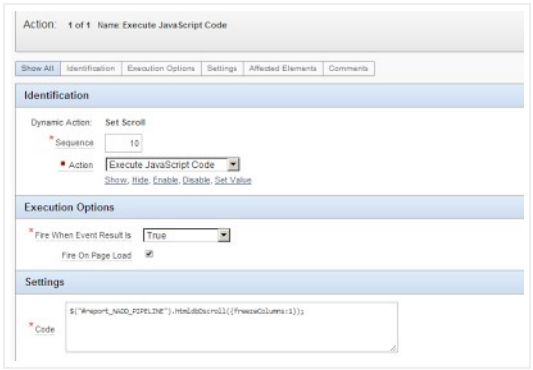
a. Create "set scroll" dynamic action with event as "After Refresh" and Region as your classic report region.



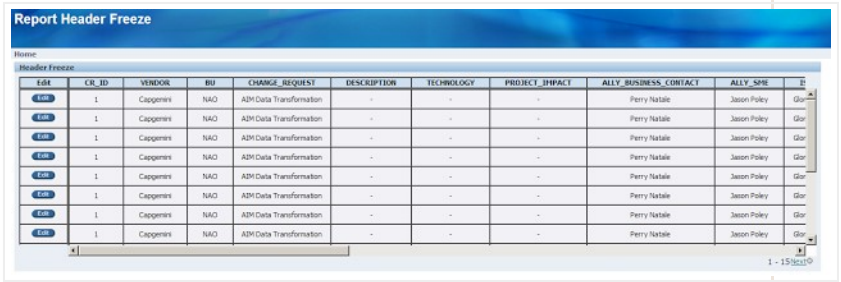
b. Create Action as "Execute Javascript Code" and apply the below mentioned code.

$("#report_NADD_PIPELINE").htmldbDscroll({freezeColumns:1});
Where NADD_PIPELINE is the STATIC_ID of my classic report.

Note: freezeColumns:1 in the above function will fix the 1st column. In-case you need to fix first 2 or 3 columns then change its numbering to 2 or 3 accordingly (ex: freezeColumns:2).



***Step 5*:** You are all good to go and test your report header freeze functionality :)



- November 22, 2013

12 comments:

VARAPRASAD 3 December 2013 at 23:20

This comment has been removed by the author.

Reply

Ernest HR 10 December 2013 at 13:28

how can I combine yuour example with this?

http://apex.oracle.com/pls/apex/f?p=12060:LOGIN:111446024489393

regards from México.

Reply

Replies

Prashanth 18 December 2013 at 02:15

Hi Ernest,

I see your application has Interactive Report. You cannot customize the report template for IR as I have done in my post above.
For IR we have an Column Freeze Plugin available to meet the requirement.

Please refer the below link for its implementation details:
http://apex-plugin.com/oracle-apex-plugins/dynamic-action-plugin/ir-plugin-package_108.html

Cheers,
Prashanth

Reply

Sukarna 4 March 2014 at 06:52

Nice Work.

Thanks
Sukarna

Reply

Deeps 5 June 2014 at 04:12

Hi Prashanth,

Helpful post and good work.
How can i implement this feature for tabular form ? Please advise.

Reply

Replies

Nidheesh O 21 June 2017 at 01:05

did you find it.. ? pls help me too.

Reply

Roscoe Beretta 26 July 2014 at 03:09

Looks interesting, however, I get an error about a long running script and asks if I want to continue of stop the script. This may also be causing the column headers to not align with the data and the last few columns are cut off. I'm using Firefox 30.0.

Reply

khanya Mvumbi 19 November 2015 at 03:40

I was looking for a plugin to freeze tabular form columns. please help.

Reply

Replies

Nidheesh O 21 June 2017 at 01:05

did you find it.. ? pls help me too.

Reply

DoyenTeam 18 April 2016 at 06:06

Hi,
The plugin that you have mentioned for IR(http://apex-plugin.com/oracle-apex-plugins/dynamic-action-plugin/ir-plugin-package_108.html)
- Header freeze cannot be downloaded now, so is there any way to fix this for IR in APEX4.2

Reply

Nidheesh O 21 June 2017 at 01:04

How can I implement this in tabular form?

Reply

nivetha palaniappan 7 December 2017 at 04:58

The plugin that you have mentioned for IR(http://apex-plugin.com/oracle-apex-plugins/dynamic-action-plugin/ir-plugin-package_108.html)
- Header freeze cannot be downloaded now, so is there any way to fix this for IR in APEX5.1

Reply

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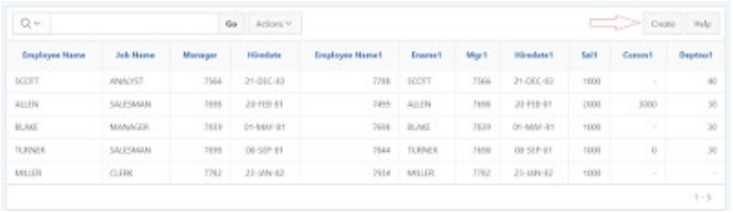
Interactive Reports: Button Positions

When we add any buttons to IR and select button position as "Right of Interactive Report Search Bar" we notice that the buttons g...



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Using string_to_table function in WHERE clause

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