

# 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,

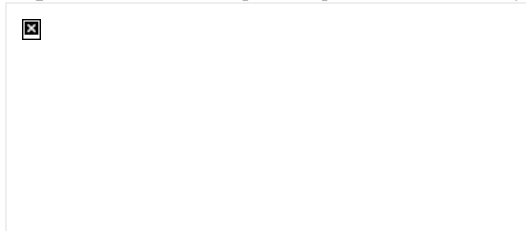
Today I would like to share "How to Freeze/Fix Column Header Row of a Classic Report" which I found very useful when the number of report columns/rows are more per screen.

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:

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**Prashanth**

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```
<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#</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(){

        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){
            $("#rb"+lId).find("tr").each(function(){
                var ti=$(this);
                /* set row height and copy row */
                var h=ti.height()+opt.addRowHeight;
                ti.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.

Dynamic Action: 1 of 1 Name: Set Scroll

Show All Identification When True Actions False Actions Advanced Condition Authorization Configuration Comments

**Identification**

Page: 1 Home

Name: Set Scroll

Sequence: 10

**When**

Event: After Refresh

Selection Type: Region

Region: Header Freeze (20)

Condition: No Condition

**True Actions**

The following actions will be fired when the 'When' condition is met, or when it is 'No Condition'.

Edit	Sequence	Action	Fire On Page Load	Selection Type	Affected Elements
	10	Execute JavaScript Code	Yes		1 - 1

Add True Action

**Advanced**

Event Scope: Static

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).

Action: 1 of 1 Name: Execute JavaScript Code

Show All Identification Execution Options Settings Affected Elements Comments

**Identification**

Dynamic Action: Set Scroll

Sequence: 10

Action: Execute JavaScript Code

Show, Hide, Enable, Disable, Set Value

**Execution Options**

Fire When Event Result Is: True

Fire On Page Load: ☒

**Settings**

Code: 

```
$("#report_NADD_PIPELINE").htmlDbDscroll({freezeColumns:1});
```

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

**Report Header Freeze**

Home

Header Freeze

Edit	CR_ID	VENDOR	BU	CHANGE_REQUEST	DESCRIPTION	TECHNOLOGY	PROJECT_IMPACT	ALLY_BUSINESS_CONTACT	ALLY_SME	IT
10	1	Capgemini	NAG	ADP Data Transformation	-	-	-	Perry Natalie	Jason Polley	Gov
10	1	Capgemini	NAG	ADP Data Transformation	-	-	-	Perry Natalie	Jason Polley	Gov
10	1	Capgemini	NAG	ADP Data Transformation	-	-	-	Perry Natalie	Jason Polley	Gov
10	1	Capgemini	NAG	ADP Data Transformation	-	-	-	Perry Natalie	Jason Polley	Gov
10	1	Capgemini	NAG	ADP Data Transformation	-	-	-	Perry Natalie	Jason Polley	Gov
10	1	Capgemini	NAG	ADP Data Transformation	-	-	-	Perry Natalie	Jason Polley	Gov
10	1	Capgemini	NAG	ADP Data Transformation	-	-	-	Perry Natalie	Jason Polley	Gov
10	1	Capgemini	NAG	ADP Data Transformation	-	-	-	Perry Natalie	Jason Polley	Gov

1 - 15 records

- 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 your example with this?

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

regards from México.

[Reply](#)

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**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](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 or 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](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](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

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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...

Employee Name	Job Name	Manager	Hiredate	Employee Name1	Emame1	Mlge1	Hiredate1	Sal1	Comm1	Deptno1
SCOTT	ANALYST	7566	21-DEC-83	7788	SCOTT	7566	21-DEC-83	1000	-	90
ALLEN	SALESMAN	7698	20-FEB-81	7419	ALLEN	7698	20-FEB-81	2000	3000	30
BLAKE	MANAGER	7619	01-MAR-81	7698	BLAKE	7619	01-MAR-81	1000	-	30
TURNER	SALESMAN	7698	08-SEP-81	7844	TURNER	7698	08-SEP-81	1000	0	30
MILLER	CLERK	7782	23-MAY-82	7614	MILLER	7782	23-MAY-82	1000	-	-



### 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 ...

Using string\_to\_table function in WHERE clause

1) Put the IDs into an Apex collection in a PL/SQL process: Assume :  
P5\_USER\_ID\_LIST = '45,4932,20,19' declare array ap...

Set maxLength in tabular form Text Field

Text Fields do not have maxLength property in tabular forms. The default maxLength for a tabular form text field is 2000. This fails to re...

Simple theme. Theme images by [luoman](#). Powered by [Blogger](#).