

Drill and Rollup using Hierarchy

Account hierarchy is made of one or more segments. The code_combination_id is linked to the gl_balances table. Here is the Base Query

Query A

```
select sum(b.PERIOD_NET_CR), sum(b.PERIOD_NET_DR)
from gl_code_combinations gcc
, gl_balances b
where b.code_combination_id = gcc.code_combination_id
and b.period_name='APR-07'
and b.actual_flag='A'
```

We create a dummy hierarchy from the gl segments using the following SQL

Query B

```
select * from
(
select 1 seq, 'Account' acct_hrchy, 'gcc.segment1 account'
select_columns, 'gcc.segment1' group_columns from dual
union
select 2, ' ->Cost Center', 'gcc.segment1 account,
gcc.segment2 cost_center', 'gcc.segment1,gcc.segment2' from
dual
union
select 3, ' ->Sales Channel', 'gcc.segment1 account,
gcc.segment2 cost_center , gcc.segment3 sales_channel' ,
'gcc.segment1, gcc.segment2 , gcc.segment3 ' from dual
union
select 4, ' ->Customer', 'gcc.segment1 account,
gcc.segment2 cost_center , gcc.segment3 sales_channel ,
gcc.segment4 customer', 'gcc.segment1, gcc.segment2 ,
gcc.segment3,gcc.segment4 ' from dual
)
order by 1
```

The above SQL results as below

SEQ	ACCT_HRCHY	SELECT_COLUMNS	GROUP_COLUMNS
1	Account	gcc.segment1 account	gcc.segment1
2	->Cost Center	gcc.segment1 account, gcc.segment2 cost_center	gcc.segment1,gcc.segment2
3	->Sales Channel	gcc.segment1 account, gcc.segment2 cost_center , gcc.segme...	gcc.segment1, gcc.segment2 , gcc.segment3
4	->Customer	gcc.segment1 account, gcc.segment2 cost_center , gcc.segme...	gcc.segment1, gcc.segment2 , gcc.segment3,gcc.segment4

Now create a Dashboard parameter as shown below

The screenshot shows the 'Parameter Editor' window. At the top, there is a table with two columns: 'Property' and 'Value'. Below this table is a section for 'Display Column' with five rows, each containing an internal ID and a column name. Arrows point from these column names to their corresponding uses in a SQL query below. The SQL query is a union of four selects, each using one of the parameter columns.

Property	Value
Parameter Name	Hrchy Rollup
Connection	Linksys DEV - DEV - apps (Oracle)@link-obyone#1525
MaxRows	ALL
Enable ALL Value	N
User Editable	N
Display Column	acct_hrchy
(ID1)Internal Column1	group_columns
(ID2)Internal Column2	select_columns
(ID3)Internal Column3	'ID3'
(ID4)Internal Column4	'ID4'
(ID5)Internal Column5	'ID5'

Apply Display Settings

```

from
(
select 1 seq, 'Account' acct_hrchy, 'gcc.segment1 account' select_columns, 'gcc.segment1' group_columns from du
union
select 2, '->Cost Center', 'gcc.segment1 account, gcc.segment2 cost_center', 'gcc.segment1,gcc.segment2' from c
union
select 3, '->Sales Channel', 'gcc.segment1 account, gcc.segment2 cost_center , gcc.segment3 sales_channel' , 'g
union
select 4,' ->Customer', 'gcc.segment1 account, gcc.segment2 cost_center , gcc.segment3 sales_channel , gcc.se
)
order by seq

```

Full Apply Close

Please note the column mappings.

The internal Id of this parameter is 'p31'

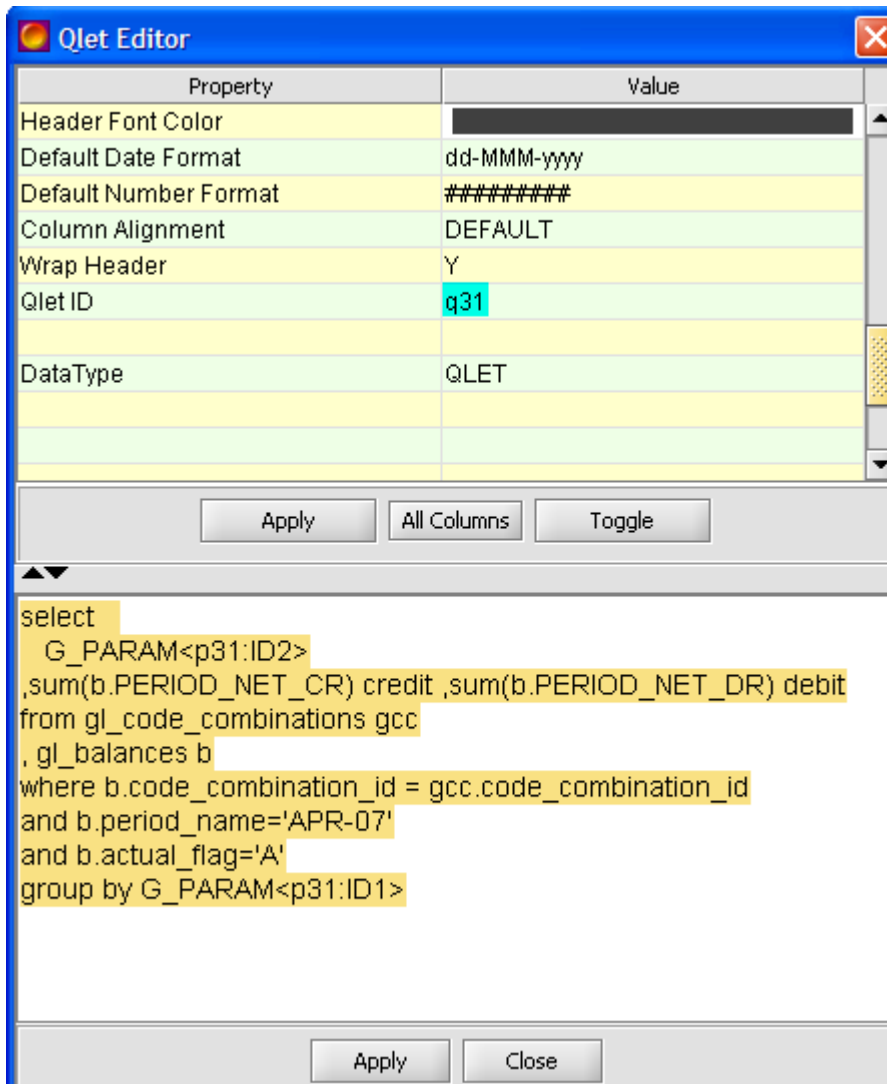
Run Dynamic Java Script	Y
Dynamic Java Script	Dynamic Java Code
ID	p31

Now create the Query portlet as shown below

Take the base **Query A** and add the parameter columns as shown below

```
select
  G_PARAM<p31:ID2>
, sum(b.PERIOD_NET_CR) credit , sum(b.PERIOD_NET_DR) debit
from gl_code_combinations gcc
, gl_balances b
where b.code_combination_id = gcc.code_combination_id
and b.period_name='APR-07'
and b.actual_flag='A'
group by G_PARAM<p31:ID1>
```

If you notice, “p31:ID2” refers to the “select_columns” of the parameter and “p31:ID1” refers to the “group_columns” of the Acct_hrchy parameter.



The screenshot shows the Qlet Editor window with a table of properties and a SQL query editor. The table has two columns: Property and Value. The SQL query is displayed in a text area below the table.

Property	Value
Header Font Color	
Default Date Format	dd-MMM-yyyy
Default Number Format	#####
Column Alignment	DEFAULT
Wrap Header	Y
Qlet ID	q31
DataType	QLET

Buttons: Apply, All Columns, Toggle

```
select
  G_PARAM<p31:ID2>
, sum(b.PERIOD_NET_CR) credit , sum(b.PERIOD_NET_DR) debit
from gl_code_combinations gcc
, gl_balances b
where b.code_combination_id = gcc.code_combination_id
and b.period_name='APR-07'
and b.actual_flag='A'
group by G_PARAM<p31:ID1>
```

Buttons: Apply, Close

Click apply and the portlet will be created as shown below

Hrchy Rollup [-]

Account ▾

Balance Summary [-]

Account	Credit	Debit
10010	148367057	148707086
10011	415639	80191
10012	258798	258039
10013	7121510	277325
10014	118853	39646
10015	34938885	28945824
10016	12856530	5340197
10017	60862399	3405793
10018	0	93
10020	15345	15345
10031	12497067	12497067
10098	14683	7341
10099	804409	802613
11105	0	72
11110	0	0
11115	0	0
11120	0	0
11125	0	0

To add dynamic refresh for any change in the parameter, we will add the following code

Edit the Parameter “Hrchy Rollup”,

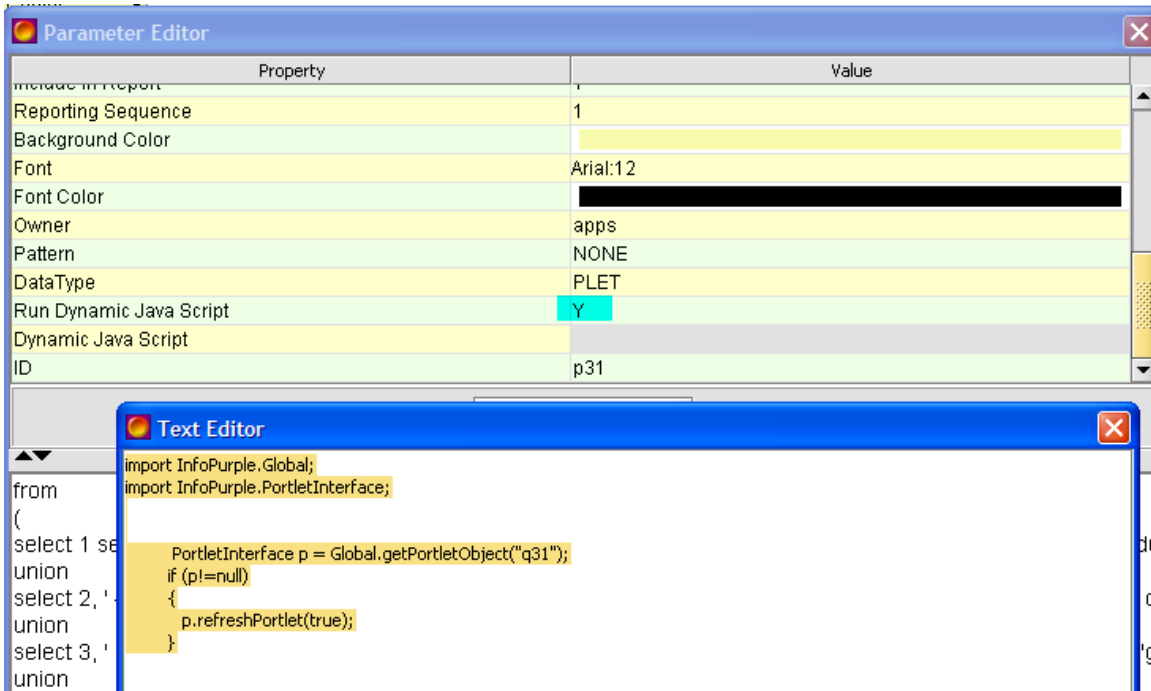
Go to the bottom of the property list, select ‘Y’ for “Run Dynamic Script”,

Click on the Dynamic Java Script

Add the following code, “q31” is the ID of the Qlet.

```
import InfoPurple.Global;  
import InfoPurple.PortletInterface;
```

```
        PortletInterface p =  
Global.getPortletObject("q31");  
        if (p!=null)  
        {  
            p.refreshPortlet(true);  
        }
```



Click apply and close the editor.

This will add dynamic refresh of the Qlet.

Account View

Hrchy Rollup [-]

Account ▾

Balance Summary

Account	Credit	Debit
10010	148367057	148707088
10011	415639	80191
10012	258798	258039
10013	7121510	277325
10014	118853	39646
10015	34938885	28945824
10016	12856530	5340197

Account + Cost Center View

Hrchy Rollup [-]

->Cost Center

Balance Summary

Account	Cost Center	Credit	Debit
10010	001	148367057	148707086
10010	002	0	0
10010	003	0	0
10010	115	0	0
10010	120	0	0
10011	705	415639	80191
10012	001	258798	258039
10012	003	0	0

Account+Cost Center + Sales Channel

Hrchy Rollup [-]

->Sales Channel

Balance Summary

Account	Cost Center	Sales Channel	Credit	Debit
10010	001	000	148367057	148707086
10010	002	000	0	0
10010	003	000	0	0
10010	115	000	0	0
10010	120	000	0	0
10011	705	000	415639	80191
10012	001	000	258798	258039
10012	003	000	0	0
10013	705	000	7121510	277325

Account + Cost Center + Sales Channel + Customer

Hrchy Rollup [-]

->Customer

Balance Summary

Account	Cost Center	Sales Channel	Customer	Credit	Debit
10010	001	000	001	148367057	148707086
10010	002	000	200	0	0
10010	003	000	300	0	0
10010	115	000	202	0	0
10010	120	000	203	0	0
10011	705	000	400	415639	80191
10012	001	000	001	258798	258039
10012	003	000	300	0	0
10013	705	000	400	7121510	277325

This enables you to drill down or rollup to any segment