

WorkBook & Query for a given Cube(s) & More Utility

Applies to:

This applies to SAP BW System and it is release independent.

Summary

This is a utility program to find queries used within a workbook. This program lists all the queries which are created for a cube. You also have an option of getting additional details for the queries. With a click of a button "RSRT" transaction can be called for more details.

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Created on: 05th November 2006

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Lists of workbook created and associated queries

Selection Screen - Steps to Get List without Query Details

Enter the Cube(s) name.

Select the 'Workbook & Related Queries' Checkbox.

Hit F8 to execute the program.

Finds Workbook & Quries for given Cube(s)

Cube: uc0* [Refresh] [Search]

Work Book and Related Queries
 All the Queries (Also RSRT)
 Query Details

Result

Finds Workbook & Quries for given Cube(s)

Finds Workbook & Quries for given Cube(s)		
WorkBook: Territory-All Products		439B4CINJ2AL7J6BDMZHZBWL1
Author : DESHRA57	Query: UC0BMCA0/UC0_W_BBMMTDQTDYTD	BBM MTD QTD YTD Analysis
WorkBook: Monthly Sales-Total		439B4TSU6X5048X0IA94LR0L1
Author : DESHRA57	Query: UC0BMCA0/UC0_W_BBMMTDQTDYTD	BBM MTD QTD YTD Analysis
WorkBook: Marketing Gross Sales Actual & Plan		439BPTU960GHXMKS2A00CK39
Author : DESHRA57	Query: UC0AMMP0/UC0_HSP_GROSS_A_P_12M	HSP GROSS
	Query: UC0AMMP0/UC0_OEM_GROSS_A_P_12M	OEM GROSS
	Query: UC0AMMP0/UC0_INT_GROSS_A_P_12M	INTERNATIONAL GROSS
	Query: UC0AMMP0/UC0_MEDTECH_GROSS_A_P	MED TECH GROSS
	Query: UC0AMMP0/UC0_HSP_GROSS_2_A_P_1	HSP GROSS (OPM AMMA)
	Query: UC0AMMP0/UC0_OTHERS_A_P_12MON	Others
	Query: UC0AMMP0/UC0_OPM_GROSS_A_P_12M	OPM GROSS

Selection Screen - Steps to Get List with Query details

Enter the Cube(s) name.

Select the 'Workbook & Related Queries' and 'Query Details' Checkboxes.

Hit F8 to execute the program.



Result

Finds Workbook & Queries for given Cube(s)

	Read Mode	Name of author	Last Changed By	Modified Time Stamp	Cache Mode	Cache Persistence
Workbook: Territory-All Products				439B4CINJ2AL7J6BDMZH2BWL1		
Author : DESHRA57						
Query: UC08MCA0/UC0_W_BBMMDQTDYTD	H	DESHRA57	SNYDLYUS	BBM MTD QTD YTD Analysis 08/02/2006 13:03:50	2	2
Workbook: Monthly Sales-Total				439B4TSU6X5048X0IA94LR0L1		
Author : DESHRA57						
Query: UC08MCA0/UC0_W_BBMMDQTDYTD	H	DESHRA57	SNYDLYUS	BBM MTD QTD YTD Analysis 08/02/2006 13:03:50	2	2
Workbook: Marketing Gross Sales Actual & Plan				439BPTU960GHXMKSK2A00CK39		
Author : DESHRA57						
Query: UC0AMMP0/UC0_HSP_GROSS_A_P_12M	H	DESHRA57	KUPILIUS	HSP GROSS 09/13/2006 20:06:24	2	2
Query: UC0AMMP0/UC0_OEM_GROSS_A_P_12M	H	DESHRA57	KUPILIUS	OEM GROSS 09/13/2006 20:06:24	2	2
Query: UC0AMMP0/UC0_INT_GROSS_A_P_12M	H	DESHRA57	KUPILIUS	INTERNATIONAL GROSS 09/13/2006 20:06:24	2	2
Query: UC0AMMP0/UC0_MEDTECH_GROSS_A_P	H	DESHRA57	KUPILIUS	MED TECH GROSS 09/13/2006 20:06:24	2	2
Query: UC0AMMP0/UC0_HSP_GROSS_2_A_P_1	H	DESHRA57	KUPILIUS	HSP GROSS (OPM AMMA) 09/13/2006 20:06:24	2	2
Query: UC0AMMP0/UC0_OTHERS_A_P_12MON	H	DESHRA57	KUPILIUS	Others 07/31/2006 15:20:45	2	2
Query: UC0AMMP0/UC0_OPM_GROSS_A_P_12M	H	DESHRA57	KUPILIUS	OPM GROSS 09/13/2006 20:06:24	2	2

Here the results show the details of the Query

List of Queries

Selection Screen - List of Query without Details

Enter the Cube(s) name.

Select 'All the Queries' Checkbox.

Hit F8 to execute the program.

Finds Workbook & Queries for given Cube(s)

Cube to

Work Book and Related Queries

All the Queries (Also RSRT)

Query Details

Result

Finds Workbook & Queries for given Cube(s)

Finds Workbook & Queries for given Cube(s)

Cube Name: UC0ADCA0

Query: UC0ADCA0/UC04_BEX_KMM_2TM1_UAT	AIC 2TM1_UAT
Query: UC0ADCA0/UC01_BEX_DMD_M1_RPT_SVC_UAT	AIC M1_REPORT_SERVICES_UAT

Here the program shows all the queries for a given Cube. The Green section is a HOT SPOT. When clicked it will call the RSRT Transaction for that query name for more details.

Query Monitor Support Package XV

Execute Execute + Debug Generate Report Properties Messages Help Texts Generation Log

Performance Info Technical Information Cache Monitor Query Variants IGS Test Get Variant Create Variant

Query

Query Display

Selection Screen - List of Query with details

Enter the Cube(s) name.

Select 'All the Queries' and 'Query details' checkboxes.

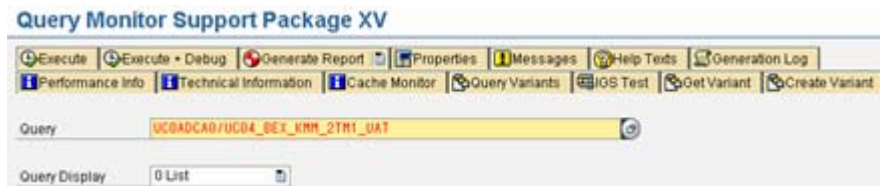
Hit F8 to execute the program.



Result

Finds Workbook & Queries for given Cube(s)						
Finds Workbook & Queries for given Cube(s)						
	Read Mode	Name of author	Last Changed By	Modified Time Stamp	Cache Mode	Cache Persistence
Cube Name: UC0ADCA0						
Query:	UC0ADCA0/UC04_BEX_KMH_2TM1_UAT			AIC	2TM1_UAT	
H	DESHRA57	DESHRA57	02/22/2006 19:03:49	2		2
Query:	UC0ADCA0/UC01_BEX_DMO_M1_RPT_SVC_UAT			AIC	M1_REPORT_SERVICES_UAT	
H	DESHRA57	DESHRA57	02/22/2006 19:03:49	2		2

Here the program shows all the queries for a given cube and also the details are displayed. The Green section is a HOT SPOT. When clicked it will call the RSRT Transaction for that query name for more details.



CODE

```

*P_DETAIL      Query Details
*P_QUERY All the Queries (Also RSRT)
*P_WBOOK Work Book and Related Queries
*S_CUBE  Cube

*&-----*
*& Report   ZZZ_QUERY_WORKBOOK_CUBE
*&
*&-----*
*&
*&
*&-----*

report   zzz_query_workbook_cube line-size 255.
tables:  rsrreaddir, rszelttxt,rszelt,rsrworkbook, rsrwbindext.
constants:  nodata type c value '/'.          "nodata

data: begin of i_rsrreaddir occurs 0.
      include structure rsrreaddir.
data: end   of i_rsrreaddir.

data: begin of i_rsrworkbook occurs 0.
      include structure rsrworkbook.
data: author like rsrreaddir-author.
data: delete.
data: end   of i_rsrworkbook.

data: bdc_obj like rsrreaddir-genuniid,
      opt      type ctu_params,
      bdcdata  like bdcdata occurs 0 with header line.

select-options:
s_cube for rsrreaddir-infocube.
parameters: p_wbook  as checkbox default 'X',
            p_query  as checkbox default 'X',
            p_detail as checkbox default 'X'.

```

```
start-of-selection.
```

```
  if p_wbook = 'X'.
    perform get_workbooks.
    perform display_workbook_and_query.
  endif.
```

```
  if p_query = 'X'.
    perform display_query.
  endif.
```

```
end-of-selection.
```

```
top-of-page.
```

```
  perform print_header.
```

```
at line-selection.
```

```
  bdc_obj = sy-lisel+31(50).
```

```
  perform fill_bdc using sy-lisel+31(50).
  perform call_tcode using sy-lisel+31(50).
```

```
*&-----*
*&      Form  get_workbooks
*&-----*
*      text
*-----*
* --> p1      text
* <-- p2      text
*-----*
```

```
form get_workbooks .
```

```
  select * from rsrworkbook into table i_rsrworkbook
  where objvers      = 'A'.
```

```
loop at i_rsrworkbook.
```

```
  select single * from rsrreaddir where infocube in s_cube
  and objvers = 'A' and genuniid = i_rsrworkbook-genuniid.
  if sy-subrc <> 0.
    i_rsrworkbook-delete = 'X'.
```



```

        modify i_rsrworkbook.
    else.
        i_rsrworkbook-author = rsrreaddir-author.
        modify i_rsrworkbook.
    endif.
endloop.

delete i_rsrworkbook where delete = 'X'.
sort i_rsrworkbook.
endform.                " get_workbooks

*&-----*
*&      Form  display_workbook_and_query
*&-----*
*      text
*-----*
* --> p1      text
* <-- p2      text
*-----*

form display_workbook_and_query .
    data: l_date like sy-datum,
          l_char(25),
          l_time like sy-uzeit,
          l_write,
          l_name(50).

loop at i_rsrworkbook.
    at new workbookid.
        write: /.
*Get the Excel WorkBook Title
    select single * from rsrwbindext
        where langu      = sy-langu
        and   workbookid = i_rsrworkbook-workbookid
        and   objvers    = 'A'.

    write: / 'WorkBook:', rsrwbindext-title,i_rsrworkbook-workbookid.
    l_write = 'X'.
endat.
if l_write = 'X'.
    write: / 'Author  :', i_rsrworkbook-author.

```

```

    l_write = ' '.
endif.

*Get Query Details
clear rsrreaddir.
select single * from rsrreaddir where infocube in s_cube
                        and objvers = 'A'
                        and genuniid = i_rsrworkbook-genuniid.
select single txtlg into rszelttxt-txtlg from rszelttxt
where eltuid = rsrreaddir-compuid and objvers = 'A' and langu = 'EN'.

l_char = rsrreaddir-modtime.
condense l_char.

l_date = l_char+0(8).
l_time = l_char+8(15).

call function 'CONVERSION_EXIT_GENID_OUTPUT'
  exporting
    input = rsrreaddir-genuniid
  importing
    output = l_name.

write: /25 'Query:',l_name, rszelttxt-txtlg. "Report Name
if p_detail = 'X'.
  write:/ rsrreaddir-readmode under 'Read Mode', "Read Mode
  rsrreaddir-author under 'Name of author', "Name of author
  rsrreaddir-lastuser under 'Last Changed By', "Last Changed By
  l_date under 'Modified Time',
  l_time under 'Modified Time',      "Modified Time Stamp
  rsrreaddir-cachemode under 'Cache Mode',"Cache Mode
  rsrreaddir-persistmode under 'Cache Persistence'.
  "Cache Persistence Mode
endif.
endloop.
endform.                                " display_workbook_and_query

*&-----*
*&      Form display_query

```

```

*&-----*
*      text
*-----*
* --> p1      text
* <-- p2      text
*-----*

form display_query .
  data: l_date like sy-datum,
        l_char(25),
        l_time like sy-uzeit,
        l_name(100).

*Get Query Details
  select * from rsrreaddir into table i_rsrreaddir
  where infocube in s_cube and objvers = 'A'.

  sort i_rsrreaddir by infocube.

  loop at i_rsrreaddir.
    on change of i_rsrreaddir-infocube.
      uLINE.
      write:/ 'Cube Name:', i_rsrreaddir-infocube.
    endon.

    select single txtlg into rszelttxt-txtlg from rszelttxt
  where eltuid = i_rsrreaddir-compuid
  and objvers = 'A'
  and langu = 'EN'.

  call function 'CONVERSION_EXIT_GENID_OUTPUT'
    exporting
      input  = i_rsrreaddir-genuniid
    importing
      output = l_name.

  l_char = i_rsrreaddir-modtime.
  condense l_char.

  l_date = l_char+0(8).

```

```

l_time = l_char+8(15).

write: /25 'Query:',
      i_rsrreppdir-genuniid hotspot color 5,
      "Name (ID) of a reporting component
      rszelttxt-txtlg. "Report Name
if p_detail = 'X'.
  write:/ i_rsrreppdir-readmode under 'Read Mode', "Read Mode
  i_rsrreppdir-author under 'Name of author', "Name of author
  i_rsrreppdir-lastuser under 'Last Changed By', "Last Changed By
  l_date under 'Modified Time',
  l_time under 'Modified Time',      "Modified Time Stamp
  i_rsrreppdir-cachemode under 'Cache Mode',"Cache Mode
  i_rsrreppdir-persistmode under 'Cache Persistence'.
  "Cache Persistence Mode
endif.
endloop.
endform.          " display_query

*&-----*
*&      Form  fill_bdc
*&-----*
*      text
*-----*
*      -->P_BDC_OBJ  text
*-----*
form fill_bdc  using object.
  refresh bdcdata.
  clear  bdcdata.
  perform bdc_dynpro      using 'SAPMRR11' '0100'.
  perform bdc_field      using 'BDC_CURSOR' 'GENUNIID'.
  perform bdc_field      using 'GENUNIID' object.
endform.          " fill_bdc

*&-----*
*&      Form  call_tcode
*&-----*
*      text
*-----*

```

```

* --> p1      text
* <-- p2      text
*-----*
form call_tcode using object.
  opt-dismode = 'A'.
  opt-defsize = 'X'.

  call transaction 'RSRT' using bdcdata options from opt.

  refresh bdcdata.
  clear  bdcdata.
endform.              " call_tcode

*-----*
*          Start new screen                      *
*-----*
form bdc_dynpro using program dynpro.
  clear bdcdata.
  bdcdata-program = program.
  bdcdata-dynpro  = dynpro.
  bdcdata-dynbegin = 'X'.
  append bdcdata.
endform.              "bdc_dynpro

*-----*
*          Insert field                          *
*-----*
form bdc_field using fnam fval.
  if fval <> nodata.
    clear bdcdata.
    bdcdata-fnam = fnam.
    bdcdata-fval = fval.
    append bdcdata.
  endif.
endform.              "bdc_field

*&-----*
*&          Form  print_header
*&-----*

```

```
*      text
*-----*
* --> p1      text
* <-- p2      text
*-----*
form print_header .
  if p_detail = 'X'.
    ufile.
    write:/25 '|','Read Mode','|','Name of author','|','Last Changed By',
      '|','Modified Time Stamp','|','Cache Mode','|','Cache Persistence'.
    ufile.
  endif.
endform.                " print_header
```

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