

```
*&-----*
*& Report  z_tcoderefresh                               *
*& Author  : Swarna.S.                                  *
*&-----*
*& AS : ALV report displaying all the transaction codes in SAP
*& User can click any tcode on ALV and go to the same .The ALV displays
*& first 25 records and on refreshing displays the next set
*& of 25 records and so on
*&-----*
*&-----*

REPORT  zalv_tcoderefresh.

*type pools for alv declarations
TYPE-POOLS: slis.

*structure declaration for tstc table
TYPES : BEGIN OF ty_tstc,
        tcode TYPE tcode,
        pgmna TYPE program_id,
        dypno TYPE dynpronr,
        END OF ty_tstc.

* Internal table and workarea declarations for tstc
DATA: it_tstc TYPE STANDARD TABLE OF ty_tstc,
      wa_tstc TYPE ty_tstc.

*data declarations for ALV
DATA: it_layout TYPE slis_layout_alv,
      wa_fieldcat TYPE slis_fieldcat_alv,
      it_fieldcat TYPE slis_t_fieldcat_alv,
      it_eventexit TYPE slis_t_event_exit,
      wa_eventexit TYPE slis_event_exit.

*initialisation event
INITIALIZATION.

*start of selection event
START-OF-SELECTION.

*subroutine to fetch data from the db table
  PERFORM fetch_data.

*subroutine for output display
  PERFORM alv_output.

*&-----*
*&      Form  fetch_data
*&-----*
*      *subroutine to fetch data from the db table
*-----*
FORM fetch_data.

*Internal table and work area declaratin for TSTC (local tables)
  DATA : lt_tstc TYPE STANDARD TABLE OF ty_tstc,
        ls_tstc TYPE ty_tstc.

*Static field definition
*Reads the last tcode and stores it in l_tstc that on refresh further data
*beyond this value is fetched
  STATICS l_tstc TYPE tcode.
```

\* Selection from the tstc table  
\*we select till 25 rows and on further refresh next 25 are selected  
\*we select transactions having screen numbers only

```
SELECT tcode
      pgmna
      dypno
FROM tstc
INTO CORRESPONDING FIELDS OF TABLE lt_tstc
UP TO 25 ROWS
WHERE tcode GT l_tstc
AND dypno NE '0000'.
```

\* Code for transferring the values of local table to output table  
\* for 25 rows as sy-tfill is 25.

\*In case there are no records a message pops up.

```
IF sy-subrc EQ 0.
  DESCRIBE TABLE it_tstc.
  READ TABLE lt_tstc INTO ls_tstc INDEX sy-tfill.
  l_tstc = ls_tstc-tcode.
  it_tstc[] = lt_tstc[].
ELSE.
  MESSAGE 'No Records found ' TYPE 'i'.
ENDIF.
```

ENDFORM. "read\_data

```
*&-----*
*&      Form  alv_output
*&-----*
*      text
*-----*
```

FORM alv\_output.

\*subroutine to refresh alv

```
PERFORM event_exits.
*field catalogue
PERFORM build_fieldcat.
*Layout for alv
PERFORM build_layout.
*output display
PERFORM alv_display.
```

ENDFORM. "alv\_output

```
*&-----*
*&      Form  event_exits
*&-----*
*      text
*-----*
```

\*subroutine to refresh alv

FORM event\_exits.

```
CLEAR wa_eventexit.
wa_eventexit-ucomm = '&REFRESH'. " Refresh
wa_eventexit-after = 'X'.
APPEND wa_eventexit TO it_eventexit.
```

ENDFORM. "event\_exits

```
*&-----*
*&      Form  build_fieldcat
*&-----*
*      text
*-----*
*Field catalogue
FORM build_fieldcat.

  CLEAR wa_fieldcat.
  wa_fieldcat-row_pos  = '1'.
  wa_fieldcat-col_pos  = '1'.
  wa_fieldcat-fieldname = 'TCODE'.
  wa_fieldcat-tabname  = 'it_tstc'.
  wa_fieldcat-seltext_m = 'TRANSACTION'.
  APPEND wa_fieldcat TO it_fieldcat.

  CLEAR wa_fieldcat.
  wa_fieldcat-row_pos  = '1'.
  wa_fieldcat-col_pos  = '2'.
  wa_fieldcat-fieldname = 'PGMNA'.
  wa_fieldcat-tabname  = 'it_tstc'.
  wa_fieldcat-seltext_m = 'PROGRAM'.
  APPEND wa_fieldcat TO it_fieldcat.

  CLEAR wa_fieldcat.
  wa_fieldcat-row_pos  = '1'.
  wa_fieldcat-col_pos  = '3'.
  wa_fieldcat-fieldname = 'DYPNO'.
  wa_fieldcat-tabname  = 'it_tstc'.
  wa_fieldcat-seltext_m = 'SCREEN'.
  APPEND wa_fieldcat TO it_fieldcat.

ENDFORM.              "build_fieldcat

*&-----*
*&      Form  build_layout
*&-----*
*      text
*-----*
*Layout
FORM build_layout.

  it_layout-zebra = 'X'.
  it_layout-colwidth_optimize = 'X'.

ENDFORM.              "build_layout

*&-----*
*&      Form  alv_display
*&-----*
*      text
*-----*
*ALV output
FORM alv_display.

  CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'
    EXPORTING
      i_callback_program      = sy-repid
      i_callback_user_command = 'USER_COMMAND'
      i_callback_pf_status_set = 'PFSTATUS'
      it_fieldcat             = it_fieldcat
```

```
is_layout           = it_layout
it_event_exit       = it_eventexit
i_screen_start_column = 10
i_screen_start_line = 20
i_screen_end_column  = 70
i_screen_end_line    = 45
i_grid_title        = 'Call Tcode Refresh ALV'
TABLES
  t_outtab           = it_tstc.

ENDFORM.                "alv_display
*&-----*
*&      Form  user_command
*&-----*
*      text
*-----*
*User actions on ALV
FORM user_command USING r_ucomm TYPE sy-ucomm
                      rs_selfield TYPE slis_selfield.

CASE r_ucomm.

*User clicks a transaction code and that tcode is called from ALV
  WHEN '&IC1'.
    READ TABLE it_tstc INDEX rs_selfield-tabindex INTO wa_tstc.
    IF sy-subrc = 0.
      CALL TRANSACTION wa_tstc-tcode.
    ENDIF.

*user clicks the refresh button and the next 25 records are displayed
  WHEN '&REFRESH'.
    PERFORM fetch_data.
    rs_selfield-refresh      = 'X'.
    rs_selfield-col_stable = 'X' .
    rs_selfield-row_stable = 'X' .
  ENDCASE.

ENDFORM.                "user_command


*-----*
*      FORM  PFSTATUS
*-----*
*Form for settings the pf status to the alv
FORM pfstatus USING ut_extab TYPE slis_t_extab.


SET PF-STATUS 'STANDARD_FULLSCREEN' OF PROGRAM 'SAPLKKBL'.

ENDFORM.                " PF_STATUS_SET
```

## Output

Call Tcode Refresh ALV		
TRANSACTION	PROGRAM	SCREEN
ABZP	SAPMA01B	100
ABZS	SAPMA01B	100
ABZU	SAPMA01B	100
ABZV	SAPMF05A	122
AC00	MENUAC00	1000
AC01	SAPLBAS0	300
AC02	SAPLBAS0	300
AC03	SAPLBAS0	300
AC04	SAPLBAS0	300
AC05	RXASMD10	1000
AC06	RXASMD10	1000
AC10	RMMLCLST	1000
ACACACT	ACAC_PERIODIC_POSTING	1000
ACACAD	ACEPSCALLBKEDR	100
ACACADCONT...	ACEPS_ACCDET	1000
ACACAD_MAIN	ACEPSCALLBKEDR	300
ACACAD_META	ACEPSCALLBKEDR	200
ACACARCHPR...	ACAC_ARCHIVING_PREP...	1000
ACACCARRYF...	ACAC_CARRY_FORWARD	1000
ACACDATADEL	ACE_LEGACY_DATA_DEL...	1000
ACACDATATR...	ACAC_DATA_TRANSFER_...	1000
ACACDSITEMS	ACAC_DSITEMS	1000
ACACDSPARA...	ACAC_DSPARAMS	1000
ACACFIRECON	ACAC_FI_RECONCILIATION	1000
ACACIMG	ACAC_IMG	1000



Click on this Refresh button, the next set of 25 records are displayed 

Click on any transaction, and it takes you to that particular transaction.