

# Haftanın ilk günü bulma

Thursday, September 28, 2023 2:51 PM

```
*--- FIND start date for current week
* Find current week
  CALL FUNCTION 'DATE_GET_WEEK'
    EXPORTING
      date        = p_start
    IMPORTING
      week        = gv_scal_week
    EXCEPTIONS
      date_invalid = 1
      OTHERS       = 2.
  IF sy-subrc <> 0.
    EXIT.
  ENDIF.

* Start date current week
  CALL FUNCTION 'WEEK_GET_FIRST_DAY'
    EXPORTING
      week        = gv_scal_week
    IMPORTING
      date        = gv_date_low
    EXCEPTIONS
      week_invalid = 1
      OTHERS       = 2.
  IF sy-subrc <> 0.
    EXIT.
  ENDIF.

DATA: gv_day TYPE scal-indicator.
CALL FUNCTION 'DATE_COMPUTE_DAY'
  EXPORTING
    date = gv_start
  IMPORTING
    day  = gv_day.

CALL FUNCTION 'DAY_NAMES_GET'
  EXPORTING
    language   = sy-langu
*     NON_ISO   = ''
*   IMPORTING
*     RETURN_CODE           =
  TABLES
    day_names = gt_daynames
* EXCEPTIONS
*     DAY_NAMES_NOT_FOUND   = 1
*     OTHERS                 = 2
  .
  IF sy-subrc <> 0.
* Implement suitable error handling here
  ENDIF.

READ TABLE gt_daynames WITH KEY wotnr = gv_day INTO DATA(gs_dayname).
gv_dayname = gs_dayname-langt.
```

# Select Sorgusu Formu

Thursday, September 28, 2023 4:54 PM

```
SELECT <sonuç>
INTO <hedef>
FROM <kaynak>
[WHERE <şartlar>]
[GROUP BY <Alanlar>]
[HAVING <şart>]
[ORDER BY <alanlar>]
```

# Sorted Table Kullanımı

Thursday, September 28, 2023 5:20 PM

```
DATA: BEGIN OF wa,
      carrid    TYPE spfli-carrid,
      connid    TYPE spfli-connid,
      cityfrom  TYPE spfli-cityfrom,
      cityto    TYPE spfli-cityto,
   END OF wa,
      itab LIKE SORTED TABLE OF wa
            WITH NON-UNIQUE KEY cityfrom cityto.
SELECT carrid connid cityfrom cityto
  INTO TABLE itab
  FROM spfli.
IF sy-subrc NE 0.
  " sorğu başarısız
ENDIF.
```

# Paket Paket Veri Alma

Thursday, September 28, 2023 5:22 PM

```
TYPES: BEGIN OF ty,
        carrid TYPE spfli-carrid,
        connid TYPE spfli-connid,
    END OF ty.
DATA: wa      TYPE ty,
      itab   TYPE SORTED TABLE OF ty
             WITH UNIQUE KEY carrid connid.
*Ram yetersizliği durumlarında tercih edilebilen bir yöntemdir.
SELECT carrid connid
FROM spfli
INTO TABLE itab
PACKAGE SIZE 3.
IF sy-subrc NE 0.
  " sorğu başarısız
ENDIF.
*çekilen 3 satırlık veriyi işlemek için
LOOP AT itab INTO wa.
  WRITE: / wa-carrid, wa-connid.
ENDLOOP.
*bir sonraki paketi seçmesi için
SKIP 1.
ENDSELECT.
```

## Belirli değişkenlere veri okuma

Thursday, September 28, 2023 5:57 PM

```
DATA: average TYPE p DECIMALS 2,
      sum   TYPE p DECIMALS 2.
*sbook tablosunda ki luggweight alanlarını avarajı
*ve aynı alanın toplamlarını alıp avarage ve sum değişkenlerine
*atanmıştır.
SELECT AVG( luggweight ) SUM( luggweight )
  INTO (average, sum)
  FROM sbook.
IF sy-subrc NE 0.
  " sorğu başarısız
ENDIF.

"alternatif isim kullanma
DATA: BEGIN OF luggage,
      average TYPE p DECIMALS 2,
      toplam  TYPE p DECIMALS 2,
    END OF luggage.
*luggweight alanı avarage olarak isimlendirilmiştir aynı şekilde
*luggweight alanının toplamı da sum ismi ile 'AS' ifadesi kullanılarak
*isimlendirilmiştir
SELECT AVG( luggweight ) AS average SUM( luggweight ) AS toplam
  INTO luggage
  FROM sbook.
IF sy-subrc NE 0.
  " sorğu başarısız
ENDIF.
```

# Database Tablosunun Adını Dinamik Yapmak

Thursday, September 28, 2023 6:10 PM

```
DATA wa TYPE scarr.  
DATA itab LIKE TABLE OF wa.  
" hagi tablodan veri çekileceğini name içerisinde tutuyoruz  
DATA name(10) TYPE c VALUE 'SCARR'.  
" kaynak bölümüne tanımlamış olduğumuz name değişkenini veriyoruz  
SELECT *  
  INTO TABLE itab  
    FROM (name) CLIENT SPECIFIED  
    WHERE mandt = '000'.  
IF sy-subrc NE 0.  
  " sorğu başarısız  
ENDIF.
```

# ABAP Genel Akış ve Selection Screen Yapıları

Thursday, September 28, 2023 6:31 PM

TABLES: mara.

LOAD-OF-PROGRAM.

```
DATA: gv_so_tip(10).
gv_so_tip = 'MARA-MATNR'.
SELECT-OPTIONS: s_matnr FOR (gv_so_tip).

PARAMETERS r1 RADIobutton GROUP r1 DEFAULT 'X'.
PARAMETERS r2 RADIobutton GROUP r1.

PARAMETERS c1 AS CHECKBOX.

PARAMETERS l1 AS LISTBOX VISIBLE LENGTH 10.

SELECTION-SCREEN BEGIN OF BLOCK b11 WITH FRAME TITLE TEXT-001.
  PARAMETERS p_param(5) TYPE C OBLIGATORY DEFAULT 'ABC'.
SELECTION-SCREEN END OF BLOCK b11.
```

INITIALIZATION.

```
* gv_so_tip = 'MARA-
MATKL'. "burada değişim yaptığımızda select options türü de değişiyor.
```

AT SELECTION-SCREEN OUTPUT.

```
LOOP AT SCREEN.
  IF screen-name = 'P_FIELd1'.
    screen-intensified = '1'.
    MODIFY SCREEN.
    CONTINUE.
  ENDIF.
ENDLOOP.
```

AT SELECTION-SCREEN.

\*AT SELECTION-SCREEN ON VALUE-REQUEST FOR

START-OF-SELECTION.

```
LOOP AT s_matnr.
  WRITE: / s_matnr-sign,
  s_matnr-option,
  s_matnr-low,
  s_matnr-high.
ENDLOOP.
```

END-OF-SELECTION.

# Başka Programdan Alt Rutin Çağırma

Friday, September 29, 2023 10:06 AM

```
DATA: progrname(15) TYPE c VALUE 'ZOE_DENEME_009',
      subrname(8)  TYPE c.
subrname = 'SUB1'.
PERFORM (subrname) IN PROGRAM (progrname) IF FOUND.
subrname = 'SUB2'.
PERFORM (subrname) IN PROGRAM (progrname) IF FOUND.
```

# Push Buttons

Friday, September 29, 2023 3:56 PM

```
TABLES sscrfIELDS.  
  
SELECTION-SCREEN BEGIN OF BLOCK b11 WITH FRAME TITLE TEXT-001.  
SELECTION-SCREEN BEGIN OF LINE.  
  SELECTION-SCREEN PUSHBUTTON 2(10) but1 USER-COMMAND cli1.  
  SELECTION-SCREEN PUSHBUTTON 12(10) TEXT-002 USER-COMMAND cli2.  
SELECTION-SCREEN END OF LINE.  
SELECTION-SCREEN END OF BLOCK b11.  
  
AT SELECTION-SCREEN OUTPUT.  
  but1 = 'Button 1'.  
  
AT SELECTION-SCREEN.  
CASE sscrfIELDS-uCOMM.  
  WHEN 'CLI1'.  
    MESSAGE 'Button 1' TYPE 'I'.  
  WHEN 'CLI2'.  
    MESSAGE 'Button 2' TYPE 'I'.  
ENDCASE.
```

## Selection Screen Ek Özellikleri

Friday, September 29, 2023 3:57 PM

```
"boşluk atma
SELECTION-SCREEN SKIP 2.

SELECTION-SCREEN BEGIN OF BLOCK b12 WITH FRAME TITLE TEXT-003 NO INTERVALS.
  SELECTION-SCREEN COMMENT /2(50) TEXT-004 MODIF ID scl.
  SELECTION-SCREEN SKIP 2.
  SELECTION-SCREEN COMMENT /10(30) comm1.
  SELECTION-SCREEN ULINE.
SELECTION-SCREEN END OF BLOCK b12.

INITIALIZATION.
  comm1 = '2. Yorum satırı'.
```

# Dropdown List Dolumu

Monday, October 2, 2023 12:23 AM

```
* Parameter with listbox
PARAMETERS: pdfopt AS LISTBOX VISIBLE LENGTH 30 MODIF ID pdf.
* Filling the list box
AT SELECTION-SCREEN OUTPUT.
DATA: vrm_id TYPE vrm_id,
      vrm_values TYPE vrm_values,
      vrm_value LIKE LINE OF vrm_values.
CLEAR vrm_value.
APPEND vrm_value TO vrm_values.
vrm_value-key = 'D'.
vrm_value-text = text-100.
APPEND vrm_value TO vrm_values.
vrm_value-key = 'S'.
vrm_value-text = text-101.
APPEND vrm_value TO vrm_values.
vrm_id = 'PDFOPT'.
CALL FUNCTION 'VRM_SET_VALUES'
  EXPORTING
    id          = vrm_id
    values      = vrm_values
  EXCEPTIONS
    id_illegavrm_id = 1
    OTHERS        = 2.
IF sy-subrc <> 0.
  MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
    WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
ENDIF.
```

From <<https://answers.sap.com/questions/2752240/dropdown-list-box-in-selection-screen.html>>

# Removing Pf-Status

Monday, October 2, 2023 12:25 PM

```
DATA itab TYPE TABLE OF sy-ucomm.  
PARAMETERS test(10) TYPE C.  
AT SELECTION-SCREEN OUTPUT.  
APPEND: 'ONLI' TO itab.  
CALL FUNCTION 'RS_SET_SELSCREEN_STATUS'  
EXPORTING  
    p_status = sy-pfkey  
TABLES  
    p_exclude = itab.
```

From <<https://answers.sap.com/questions/2497515/removing--hiding-f8-button-in-selection-screen.html>>

# Pf-Status kısmına yeni şeyler ekleme

Monday, October 2, 2023 2:12 PM

TABLES:sscrfields.

\*\*Create the Additional Selection screen to input filename

SELECTION-SCREEN: BEGIN OF SCREEN 10.

PARAMETERS: p\_file TYPE rlgrap-filename.

SELECTION-SCREEN: END OF SCREEN 10.

\*\*Create Application Toolbar Button on the Standard selection Screen

SELECTION-SCREEN FUNCTION KEY 1. "Its fcode will be FC01

SELECTION-SCREEN FUNCTION KEY 2. "Its fcode will be FC02

PARAMETERS : p\_werks TYPE marc-werks.

INITIALIZATION.

sscrfields-functxt\_01 = 'Enter File'. "Assign the Text to the Button

sscrfields-functxt\_02 = 'Sample'. "Assign the Text to the Button

AT SELECTION-SCREEN.

CASE sscrfields-ucomm. "Check the Fcode

WHEN 'FC01'.

CALL SELECTION-SCREEN 10 STARTING AT 5 8 ENDING AT 85 20.

WHEN 'FC02'.

ENDCASE.

AT SELECTION-SCREEN ON VALUE-REQUEST FOR p\_file.

CALL FUNCTION 'F4\_FILENAME' "Local file browser

EXPORTING

program\_name = syst-cprog

dynpro\_number = syst-dynnr

field\_name = 'P\_FILE'

IMPORTING

file\_name = p\_file.

START-OF-SELECTION.

From <<https://answers.sap.com/questions/3010992/how-to-give-pushbuttons-on-pf-status.html>>

# Tabbed Block Kodları

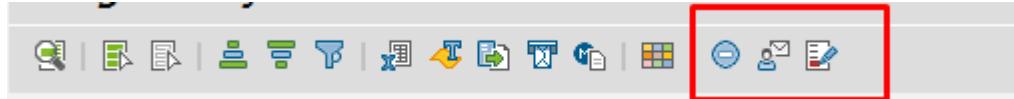
Monday, October 2, 2023 2:31 PM

```
TABLES sscrfIELDS.  
  
SELECTION-SCREEN BEGIN OF SCREEN 100 AS SUBSCREEN.  
PARAMETERS: p1      TYPE c LENGTH 10,  
            p2      TYPE c LENGTH 10,  
            p3      TYPE c LENGTH 10.  
SELECTION-SCREEN END OF SCREEN 100.  
  
SELECTION-SCREEN BEGIN OF SCREEN 200 AS SUBSCREEN.  
PARAMETERS: q1      TYPE c LENGTH 10,  
            q2      TYPE c LENGTH 10,  
            q3      TYPE c LENGTH 10.  
SELECTION-SCREEN END OF SCREEN 200.  
  
SELECTION-SCREEN: BEGIN OF TABBED BLOCK mytab FOR 10 LINES,  
                  TAB (20) button1 USER-COMMAND push1,  
                  TAB (20) button2 USER-COMMAND push2,  
                  END OF BLOCK mytab.  
  
INITIALIZATION.  
button1 = 'Selection Screen 1'.  
button2 = 'Selection Screen 2'.  
mytab-prog = sy-repid.  
mytab-dynnr = 100.  
mytab-activetab = 'PUSH1'.  
  
AT SELECTION-SCREEN.  
CASE sy-dynnr.  
  WHEN 1000.  
    CASE sscrfIELDS-ucomm.  
      WHEN 'PUSH1'.  
        mytab-dynnr = 100.  
      WHEN 'PUSH2'.  
        mytab-dynnr = 200.  
      WHEN OTHERS.  
        ...  
    ENDCASE.  
  ...  
ENDCASE.
```

# GUI Status Bulma

Sunday, December 17, 2023 4:34 PM

Standart toolbarımıza nasıl **yeni butonlar** eklenir? Bu yazımada bunun cevabını vermeye çalışacağım. ALV yi gösterirken **REUSE** fonksiyonunu kullanacağım.



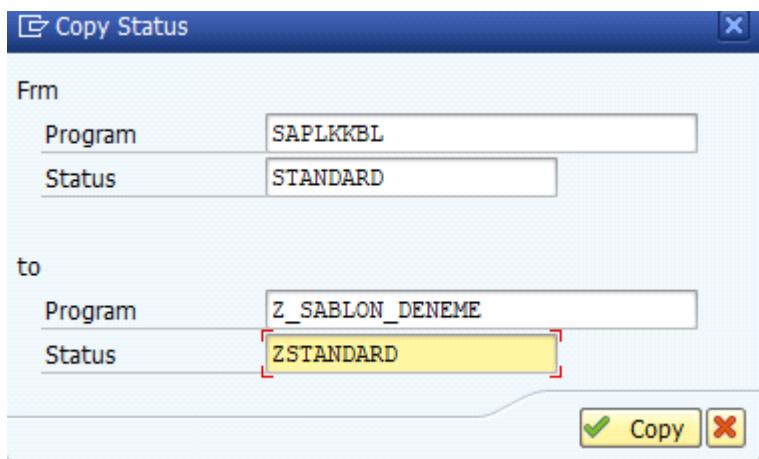
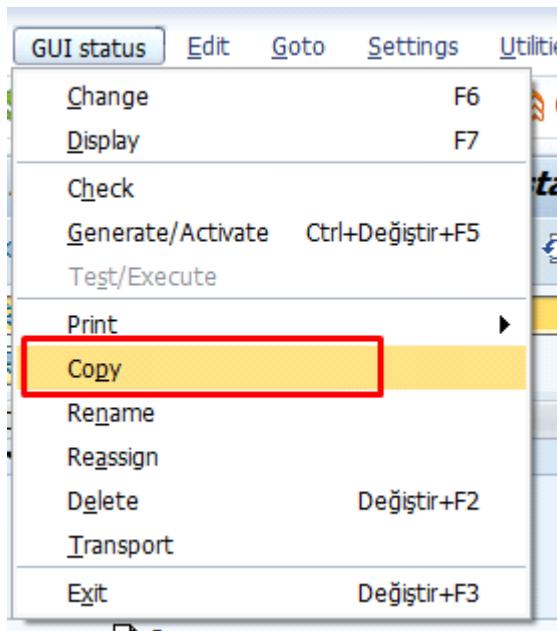
Öncelikle Standart bir programdan standart butonlarımızı alıp sonrasında yeni bir buton ekleyeceğiz. Bunun için

- SE90 -> Program Library -> Program Subobjects -> GUI Status' ü açıp
- Program Name : SAPLKKBL -> Çalıştır .

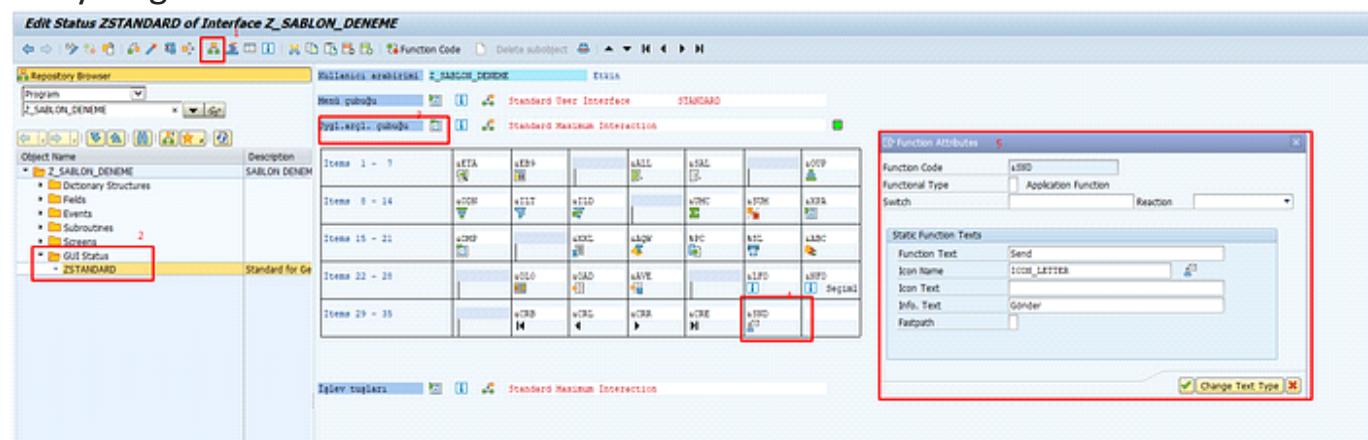
The screenshot shows the SAP Repository Information System interface. On the left, the object tree is expanded to show 'Program Subobjects' under 'Program Library'. On the right, a table lists program subobjects for the program SAPLKKBL. The table has columns for 'Program adı' (Program name) and 'Rapor başlığı' (Report header). The row for 'STANDARD' is highlighted with a red box, indicating it is selected.

Program adı	Rapor başlığı
SAPLKKBL	Dinamik liste çıktısı
APPEND	Status for Append Lists
COLUMNS	S
DEMO	S
FILTER	S
INLI	S
INLI_DET	S
INLI_REP	S
INLI_SUM	S
LFIS2MOD	List Output in Dialog Box with Checkbox
LFIS2SHO	List Output in Dialog Box
LFIS_MOD	S
LFIS_SHO	S
MODA_DET	S
SORT_POP	S
ST004	S
ST0800	S
ST0801	Display List Variant
ST0802	Define List Variant (Screen)
ST850	Dialog with Continues
<b>STANDARD</b>	<b>Standard for General List Output</b>
STANDARD CR	Standard for General List Output

Ardından **GUI Statusunu kopyalayacağız.**



Bu şekilde kendi programımıza kopyalamış olduk. Şimdi de Yeni bir buton ekleyeceğiz.



ALV oluşturmak için kullandığımız REUSE ALV fonksiyonunda bunu nasıl kullanır ve bu butonla bir işlem gerçekleştirebiliriz ?

```

CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'
EXPORTING
  I_CALLBACK_PROGRAM      = L_REPID
  I_CALLBACK_PF_STATUS_SET = 'SUB_PF_STATUS'
  I_CALLBACK_USER_COMMAND = 'USER COMMAND '
  I_STRUCTURE_NAME        = 'ZDENEME_MC'
*
  I_GRID_TITLE            = GV_LISTE_BASLIGI
*
  TABLES
    T_OUTTAB               = GT_TABLE2.

IF SY-SUBRC NE 0.
  MESSAGE 'Error in displaying output.' TYPE 'E'.
ENDIF.

```

Bu şekilde **PF\_STATUS** ü çağrırdık.

```

2   FORM SUB_PF_STATUS USING RT_EXTAB TYPE SLIS_T_EXTAB.
3
4     SET PF-STATUS 'ZSTANDARD' .  GUI STATU nun adı
5   ENDFORM .
6
7   FORM USER_COMMAND  USING B_UCOMM LIKE SY-UCOMM
8     RS_SELFIELD TYPE SLIS_SELFIELD .
9
10  IF B_UCOMM EQ '&SND' .
11    MESSAGE 'Merhaba Dünya' TYPE 'S' .  Butonun adı
12  ENDIF .
13 ENDFORM .
14
15 "$.ENDREGION

```

Burada da oluşturduğumuz **&SND** butonu ile Merhaba dünya Mesajı verdi.



Ve butonumuz başarılı bir şekilde eklendi.

Farklı ALV oluşturma fonksiyonlarında kullanımında farklılıklar olsada yinede standart toolbarı oluşturmak için kullanabileceğiniz bir yöntemdir. Umarım faydalı olur.

From <<https://medium.com/@cakarmustafa/alv-toolbar-buton-ekleme-e25f235afb69>>

# Genel Akış

Monday, October 2, 2023 5:14 PM

LOAD-OF-PROGRAM.

INITIALIZATION.

AT SELECTION-SCREEN OUTPUT.

AT SELECTION-SCREEN.

START-OF-SELECTION.

END-OF-SELECTION.

# Başka bir programdan selection screen çağrıma (range yapısı da var)

Monday, October 2, 2023 5:35 PM

TABLES: mseg.

LOAD-OF-PROGRAM.

```
SELECTION-SCREEN BEGIN OF BLOCK b11 WITH FRAME TITLE TEXT-001.  
SELECT-OPTIONS: so_mblnr FOR mseg-mblnr.
```

```
PARAMETERS: p_lgort TYPE mseg-  
lgort MATCHCODE OBJECT h_t0011 OBLIGATORY,  
p_mjahr TYPE mseg-mjahr OBLIGATORY.  
SELECTION-SCREEN END OF BLOCK b11.
```

```
ranges: r_mbelnr for mseg-mblnr.
```

INITIALIZATION.

AT SELECTION-SCREEN OUTPUT.

```
AT SELECTION-SCREEN.  
r_mbelnr = so_mblnr.  
APPEND r_mbelnr.
```

START-OF-SELECTION.

```
SUBMIT zoe_h2s VIA SELECTION-SCREEN  
WITH so_mblnr in r_mbelnr  
WITH p_lgort EQ p_lgort  
WITH p_mjahr EQ p_mjahr.
```

END-OF-SELECTION.

# Txt Oku ve Write ile yazdır

Tuesday, October 3, 2023 10:25 AM

```
LOAD-OF-PROGRAM.  
PARAMETERS: p_file TYPE rlgrap-filename.  
DATA: gv_filename TYPE string.  
DATA: BEGIN OF gt_itab OCCURS 0,  
      txt(1024),  
      END OF gt_itab.  
  
INITIALIZATION.  
  
AT SELECTION-SCREEN OUTPUT.  
  
AT SELECTION-SCREEN.  
  
AT SELECTION-SCREEN ON VALUE-REQUEST FOR p_file.  
  CALL FUNCTION 'F4_FILENAME'  
    EXPORTING  
      field_name = 'P_FILE'  
    IMPORTING  
      file_name = p_file.  
  
START-OF-SELECTION.  
  gv_filename = p_file.  
  CALL METHOD cl_gui_frontend_services=>gui_upload  
    EXPORTING  
      filename           = gv_filename          " Name of file  
      filetype          = 'ASC'                 " File Type (ASCII, Binary  
    )  
      codepage          = '4110'  
    CHANGING  
      data_tab          = gt_itab[]           " Transfer table  
  for file contents  
    EXCEPTIONS  
      file_open_error     = 1                  " File does not exist and  
  cannot be opened  
      file_read_error     = 2                  " Error when reading file  
      no_batch            = 3                  " Front-  
End Function Cannot Be Executed in Backgrnd  
      gui_refuse_filetransfer = 4              " Incorrect front end or e  
rror on front end  
      invalid_type        = 5                  " Incorrect parameter FILE  
TYPE  
      no_authority         = 6                  " No Upload Authorization  
      unknown_error        = 7                  " Unknown error  
      bad_data_format      = 8                  " Cannot Interpret Data in  
File  
      header_not_allowed   = 9                  " Invalid header  
      separator_not_allowed = 10                 " Invalid separator  
      header_too_long       = 11                 " Header information curre  
ntly restricted to 1023 bytes  
      unknown_dp_error     = 12                 " Error when calling data  
provider  
      access_denied        = 13                 " Access to File Denied  
      dp_out_of_memory     = 14                 " Not Enough Memory in Dat  
aProvider  
      disk_full            = 15                 " Storage Medium full  
      dp_timeout           = 16                 " Timeout of DataProvider  
      not_supported_by_gui = 17                 " GUI does not support thi
```

```
S
    error_no_gui          = 18           " GUI not available
    OTHERS                 = 19.

    IF sy-subrc <> 0.
* MESSAGE ID SY-MSGID TYPE SY-MSGTY NUMBER SY-MSGNO
*   WITH SY-MSGV1 SY-MSGV2 SY-MSGV3 SY-MSGV4.
    ENDIF.

END-OF-SELECTION.

LOOP AT gt_itab.
    WRITE: / gt_itab-txt.
ENDLOOP.
```

# Ekranda Fotoğraf Gösterimi

Tuesday, October 3, 2023 12:48 PM

1. Goto T.code SMW0.
2. select radiobutton 'BINATRY DATA FOR WEBRFC...'----> F8
3. Again execute .
4. goto create(F5)
5. enter Object name and Description
6. Press IMPORT(shift + F6)

From <<https://answers.sap.com/questions/6427354/uploading-image-to-sap-using-smw0-transaction.html>>

```
DATA: docking          TYPE REF TO cl_gui_docking_container,
      picture_control_1 TYPE REF TO cl_gui_picture,
      url(256)           TYPE c.

DATA: query_table      LIKE w3query OCCURS 1 WITH HEADER LINE,
      html_table        LIKE w3html  OCCURS 1,
      return_code       LIKE w3param-ret_code,
      content_type      LIKE w3param-cont_type,
      content_length    LIKE w3param-cont_len,
      pic_data          LIKE w3mime OCCURS 0,
      pic_size          TYPE i.

FORMAT HOTSPOT ON.

INITIALIZATION.
  PERFORM show_pic.

AT SELECTION-SCREEN OUTPUT.

AT SELECTION-SCREEN.

START-OF-SELECTION.

* &-----
*& Form show_pic
*& -----
FORM show_pic.
  DATA: repid LIKE sy-repid.
  repid = sy-repid.

  CREATE OBJECT picture_control_1 EXPORTING parent = docking.
  CHECK sy-subrc = 0.

  CALL METHOD picture_control_1->set_3d_border
    EXPORTING
      border = 5.

  CALL METHOD picture_control_1->set_display_mode
    EXPORTING
      display_mode = cl_gui_picture=>display_mode_stretch.

  CALL METHOD picture_control_1->set_position
    EXPORTING
      height = 200
      left   = 20
      top    = 50
      width  = 300.
*CHANGE POSITION AND SIZE ABOVE*****



IF url IS INITIAL.
  REFRESH query_table.
  query_table-name = '_OBJECT_ID'.

*CHANGE IMAGE NAME BELOW UPLOADED IN SWO*****
query_table-value = 'ZOE_VESIKA'. "name which u have given in SMW0
APPEND query_table.

query_table-value = 'YLOGO'.
APPEND query_table.

*FORMAT HOTSPOT ON.

CALL FUNCTION 'WWW_GET_MIME_OBJECT'
  TABLES
    query_string      = query_table
    html              = html_table
    mime              = pic_data
  CHANGING
    return_code       = return_code
    content_type      = content_type
    content_length    = content_length
  EXCEPTIONS
    object_not_found = 1
    parameter_not_found = 2
    OTHERS            = 3.
  IF sy-subrc NE 0.
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
    WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
  ENDIF.

CALL FUNCTION 'DP_CREATE_URL'
  EXPORTING
    type      = 'image'
    subtype   = cndp_sap_tab_unknown
    size      = pic_size
    lifetime  = cndp_lifetime_transaction
  TABLES
    data      = pic_data
  CHANGING
    url      = url
  EXCEPTIONS
    OTHERS    = 1.
ENDIF.
CALL METHOD picture_control_1->load_picture_from_url
```

```
EXPORTING
url = url.

FORMAT HOTSPOT OFF.
ENDDFORM.

END-OF-SELECTION.
```

# SAP Memorydeki bir programı çağrıma

Tuesday, October 3, 2023 3:52 PM

```
DATA: bdcdata_wa    TYPE bdcdata,
      bdcdata_tab  TYPE TABLE OF bdcdata.

CLEAR bdcdata_wa.

bdcdata_wa-program = 'ZOE_H2R'.

bdcdata_wa-dynpro = '1000'.

bdcdata_wa-dynbegin = 'X'.

APPEND bdcdata_wa TO bdcdata_tab.

CALL TRANSACTION 'ZOE_H2R' USING bdcdata_tab.
```

# Maintenance View Call

Wednesday, October 4, 2023 9:59 AM

```
DATA : gv_table  LIKE dd02v-tabname,
       gv_action TYPE char1.
DATA : gt_vimsellist TYPE TABLE OF vimsellist WITH HEADER LINE,
       gt_excl_cua  TYPE TABLE OF vimexclfun WITH HEADER LINE.
SELECTION-SCREEN BEGIN OF BLOCK b01 WITH FRAME TITLE TEXT-b01
  NO INTERVALS.
  SELECTION-SCREEN COMMENT /1(30) comm1 MODIF ID mg1.
  SELECTION-SCREEN : BEGIN OF LINE, POSITION 6.
  PARAMETERS : r_01g  RADIOBUTTON GROUP 001.
  PARAMETERS : r_01d  RADIOBUTTON GROUP 001.
  SELECTION-SCREEN : COMMENT 15(40) text_01, END OF LINE.
*
SELECTION-SCREEN END OF BLOCK b01.

AT SELECTION-SCREEN OUTPUT.
  comm1 = TEXT-blgl.

INITIALIZATION.
  sy-title = TEXT-ttl.
  text_01 = TEXT-001.

END-OF-SELECTION.
  PERFORM go_maintance_screen .
FORM fill_table_action USING p_table p_action.
  gv_table = p_table.
  gv_action = p_action.
ENDFORM.
FORM go_maintance_screen .
  REFRESH : gt_excl_cua, gt_vimsellist.
*ZPP_OBE_FIRMA_V
  IF r_01g = 'X'.
    PERFORM fill_table_action USING 'ZOE_H3A_TABLE' 'S'.
  ELSEIF r_01d = 'X'.
    PERFORM fill_table_action USING 'ZOE_H3A_TABLE' 'U'.
*ZPP_OBE_FIRMA_V
  ENDIF.
  gt_excl_cua-function = 'AEND'.
  APPEND gt_excl_cua.
  IF NOT gv_table IS INITIAL.
    CALL FUNCTION 'VIEW_MAINTENANCE_CALL'
      EXPORTING
        action                  = gv_action
        show_selection_popup    = space "'X'"
        view_name               = gv_table
        variant_for_selection   = space
        check_ddic_mainflag     = 'X'
        suppress_wa_popup       = 'X'
      TABLES
        dba_sellist             = gt_vimsellist[]
        excl_cua_funct          = gt_excl_cua[]
      EXCEPTIONS
        client_reference         = 1
        foreign_lock             = 2
        invalid_action           = 3
        no_clientindependent_auth = 4
        no_database_function     = 5
        no_editor_function        = 6
        no_show_auth              = 7
        no_tvdir_entry            = 8
  ENDIF.
```

```
no_upd_auth          = 9
only_show_allowed   = 10
system_failure       = 11
unknown_field_in_dba_sellist = 12
view_not_found      = 13
maintenance_prohibited = 14
OTHERS              = 15.

IF sy-subrc <> 0.
  MESSAGE ID sy-msgid TYPE sy-msgtty NUMBER sy-msgno
  WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
ENDIF.
ENDIF.
ENDFORM.
```

# At First, At New, At End Of, At Last Kalıp Kullanımı

Monday, October 9, 2023 4:16 PM

```
DATA: gs_spfli TYPE spfli.  
DATA: gt_spfli TYPE TABLE OF spfli.  
SELECT * UP TO 5 ROWS FROM spfli INTO TABLE gt_spfli.  
LOOP AT gt_spfli INTO gs_spfli.  
  AT FIRST.  
    WRITE:/ 'Flight Details'.  
    WRITE:/ 'Airline Code' COLOR 5,14 'Connection No.' COLOR 5,  
           29 'Departure City' COLOR 5, 44 'Arival City' COLOR 5,  
           58 'Distance' COLOR 5.  
    ULINE.  
  ENDAT.  
  AT NEW carrid.  
    WRITE:/ gs_spfli-carrid, ' : New Airline'.  
    ULINE.  
  ENDAT.  
  WRITE:/14 gs_spfli-connid,  
         29 gs_spfli-cityfrom,44 gs_spfli-cityto,  
         58 gs_spfli-distance.  
  AT END OF carrid.  
    ULINE. WRITE:/ 'End of Airline : ', gs_spfli-carrid.  
    ULINE.  
  ENDAT.  
  AT LAST.  
    WRITE:/ 'End of Loop'.  
  ENDAT.  
ENDLOOP.
```

# BAPI TEST

Tuesday, October 10, 2023 2:46 PM

Üsteki örneği **SE37** ekranından test etmek istediğimiz ise **TEST SEQUENCES** yapmamız gereklidir, karşımıza gelecek ekranda ard arda çağrılmaları gereken fonksiyonları girer ve bu sayede birbiriyle ilişkili fonksiyonların testini yapmış oluruz. (Bu özellik, özellikle BAPI fonksiyonlarının testini yaparken gerçek sap belgesi oluşması için kullandığımız herhangi bir BAPI fonksiyonunun ardından **BAPI\_TRANSACTION\_COMMIT** çağrıma işlemini yürütmemizi sağlar)

# BAPI Önemli Bilgiler

Tuesday, October 10, 2023 4:49 PM

Herhangi bir veri **yazma ve güncelleme** var ve **BAPI success** dönmüş ise **BAPI COMMIT WORK** fakat **BAPI error** dönmüş ise **BAPI ROLLBACK** fonksiyonu çağrılmalıdır. Aksi durumda commit gerçekleşmeyeceği için belge olusmaz. Fakat **sadece okuma işlemi** var ise **database güncellemesi olmadığından commit work e gerek yoktur.. RETURN** ile herhangi bir hata durumunu yakalayabiliriz. **RETURN tablo olabileceği gibi structure da olabilir.** Bu kullanılan BAPI ye göre değişir.

**CALL FUNCTION 'BAPI\_TRANSACTION\_ROLLBACK'. -> BAPI Rollback için kullanıyor. Error dönerse**

**CALL FUNCTION 'BAPI\_TRANSACTION\_COMMIT' . -> BAPI Commit Work için kullanılıyor. Success dönerse**

# RFC Fonksiyonu çağrıma

Tuesday, October 10, 2023 5:16 PM

Bir SAP sisteminden diğer bir SAP sistemindeki RFC yi çağrırmak için **SM59** da bağlantı tanımlaması yapılmalıdır. **SM59 abap connection** olarak tanımlanır:

# Geçen zaman hesabı (saniye)

Wednesday, October 11, 2023 1:49 PM

```
DATA : lv_time_begin TYPE i,
       lv_time_end   TYPE i,
       lv_time_diff  TYPE i.

GET RUN TIME FIELD lv_time_begin.
"geçen sürenin hesaplanacağı kodlar
GET RUN TIME FIELD lv_time_end.

lv_time_diff = ( lv_time_end - lv_time_begin ) / 1000000.
WRITE : 'Tekil okuma süresi ', 30 lv_time_diff , ' saniye ...'.
```

# Se16n tabloyu editleme

Thursday, October 12, 2023 2:34 PM

Se16n açıkken yukarıda tcode girilen yere /h yazıyoruz. Debug ekranı açılıyor. Daha sonra;

```
gd-edit = 'X'  
gd-sapedit = 'X'
```

Bu alanları debug ekranından işaretliyoruz. Artık se16n den edit yapabilir oluyoruz. Kaydettiğimiz veriler değişip kaydoluyor.

# Proxy ile generate edilen UTC tarih formatına dönüştürme yapmak için

Friday, October 13, 2023 5:27 PM

```
CLASS zed_cl_deneme6 DEFINITION
  PUBLIC
  FINAL
  CREATE PUBLIC .

  PUBLIC SECTION.
    "XSD Time (UTC): yyyy-mm-ddThh:mm:ssZ [ext.]"
    METHODS: convert_date
    IMPORTING
      VALUE(i_date)  TYPE datum DEFAULT sy-datum
      VALUE(i_time)  TYPE uzeit DEFAULT sy-uzbeit
      VALUE(i_time_zone) TYPE tzzone DEFAULT 'UTC'
    RETURNING VALUE(e_xsdttime)  TYPE xsddatetime_z.

  PROTECTED SECTION.
  PRIVATE SECTION.
ENDCLASS.
```

CLASS zed\_cl\_deneme6 IMPLEMENTATION.

```
* <SIGNATURE>-----+
* | Instance Public Method ZED_CL_DENEME6->CONVERT_DATE
* +-----+
* | [---] I_DATE          TYPE    DATUM (default =SY-DATUM)
* | [---] I_TIME          TYPE    UZEIT (default =SY-UZEIT)
* | [---] I_TIME_ZONE     TYPE    TZZONE (default ='UTC')
* | [<-()] E_XSDTIME      TYPE    XSDDATETIME_Z
* +-----</SIGNATURE>
METHOD convert_date.
```

TRY.

```
  CONVERT DATE i_date TIME i_time DAYLIGHT SAVING TIME 'X'
  INTO TIME STAMP e_xsdttime TIME ZONE i_time_zone.
```

CATCH cx\_root INTO DATA(root).

ENDTRY.

ENDMETHOD.

ENDCLASS.

# Screen POV ile Search Help Kullanımı

Friday, November 3, 2023 2:03 AM

```
PROCESS BEFORE OUTPUT.  
  MODULE status_2000.
```

```
PROCESS AFTER INPUT.  
  FIELD p_matnr MODULE screen_modification ON REQUEST.  
  MODULE user_command_2000.
```

```
PROCESS ON VALUE-REQUEST.  
  FIELD : p_matnr MODULE fill_matnr_on_f4.
```

```
MODULE fill_matnr_on_f4 INPUT.  
  TYPES: BEGIN OF ty_matnr,  
          matnr TYPE mara-matnr,  
        END OF ty_matnr.  
  
  DATA: lt_val TYPE TABLE OF ty_matnr,  
        lt_ret TYPE TABLE OF ddshretval,  
        ls_ret TYPE ddshretval.  
  SELECT matnr FROM mara INTO TABLE lt_val.  
  CALL FUNCTION 'F4IF_INT_TABLE_VALUE_REQUEST'  
    EXPORTING  
      retfield      = 'MATNR'  
      dynpprog     = sy-cprog  
      dynpnrr      = sy-dynnr  
      dynprofield = 'P_MATNR'  
      value_org    = 'S'  
    TABLES  
      value_tab    = lt_val  
      return_tab   = lt_ret.  
  
  ENDMODULE.
```

# Select Sorgusu Performans

Monday, November 6, 2023 2:23 PM

```
SELECT * FROM bkpf UP TO 100 ROWS
INTO TABLE @DATA(t_bkpf)
ORDER BY bukrs gjahr belnr.
```

```
SELECT * FROM bseg UP TO 100 ROWS
INTO TABLE @DATA(t_bseg)
ORDER BY bukrs gjahr belnr.
```

```
LOOP AT t_bkpf ASSIGNING FIELD-SYMBOL(<bkpf>).
```

```
DATA: tabix TYPE sy-tabix.
```

```
READ TABLE t_bseg ASSIGNING FIELD-SYMBOL(<bseg>)
WITH KEY bukrs = <bkpf>-bukrs
      gjahr = <bkpf>-gjahr
      belnr = <bkpf>-belnr
      BINARY SEARCH.
```

```
IF sy-subrc IS INITIAL.
```

```
    tabix = sy-tabix.
```

```
LOOP AT t_bseg ASSIGNING <bseg>
FROM tabix
WHERE bukrs EQ <bkpf>-bukrs
      AND gjahr EQ <bkpf>-gjahr
      AND belnr EQ <bkpf>-belnr.
```

```
<bkpf>-toplam = <bkpf>-toplam + <bseg>-toplam.
```

```
ENDLOOP.
```

```
ENDIF.
```

```
ENDLOOP.
```

# Submit Function Kullanımı

Monday, November 13, 2023 1:19 AM

```
DATA gfs_vf04 TYPE REF TO data.

FIELD-SYMBOLS : <lt_temp> TYPE any . "LIKE LINE OF it_tab .

FIELD-SYMBOLS <gft_vf04> TYPE STANDARD TABLE.

cl_salv_bs_runtime_info=>set(
  EXPORTING
    display      = abap_false
    metadata     = abap_false
    data         = abap_true ).

SUBMIT sdbilldl "--> zsd0010
  WITH p_fkdat EQ iv_fkdat
  WITH p_fkdab EQ iv_fkdab
  WITH p_fkart IN iv_fkart
  WITH s_vbeln IN iv_vbeln
  WITH p_vkorg eq iv_vkorg
  WITH s_vtweg IN iv_vtweg
  WITH s_spart IN iv_spart
  WITH s_vstel IN iv_vstel
  WITH p_kunnr IN iv_kunnr
*   WITH p_lland IN iv_lland
*   WITH p_sort IN iv_sort
  WITH p_allea EQ icb_allea
  WITH p_allel EQ icb_allel
  WITH p_alleb EQ icb_alleb
  WITH p_allei EQ icb_allei
  WITH no_faksk EQ icb_no_faksk
  WITH p_pdstk EQ icb_pdstk
  WITH p_allex EQ icb_allex
  WITH p_anzei EQ icb_anzei
  WITH p_proto EQ icb_proto
  WITH p_utasy EQ ird_utasy
  WITH p_utswl EQ ird_utswl
  WITH p_utsnl EQ ird_utsnl
  WITH pv_fkart EQ iv_fkart2
  WITH pv_fkdat EQ iv_fkdat2
  WITH pv_fbuda EQ iv_fbuda
  WITH pv_prsdt EQ iv_prsdt
  WITH pv_rfbfk EQ icb_rfbfk
  AND RETURN.

TRY.
  cl_salv_bs_runtime_info=>get_data_ref( IMPORTING r_data = gfs_vf04 ).
  CATCH cx_salv_bs_sc_runtime_info.
    es_return-message = 'Unable to retrieve ALV data'.
*   MESSAGE 'Unable to retrieve ALV data' TYPE 'E'.
ENDTRY.

ASSIGN gfs_vf04->* TO <gft_vf04>.

IF sy-subrc IS INITIAL.

  LOOP AT <gft_vf04> ASSIGNING <lt_temp>.
    MOVE-CORRESPONDING <lt_temp> TO T_RFC_VF04.
    APPEND T_RFC_VF04.

  ENDLOOP.
ENDIF.
```

# String içinde char indexi bulma

Wednesday, November 15, 2023 12:23 PM

DATA:

```
zlv_offset type i,  
zlv_test type string value 'Hello World'.  
find FIRST OCCURRENCE OF 'H' in zlv_test match OFFSET zlv_offset.  
write zlv_offset.
```

From <<https://answers.sap.com/questions/3503790/position-of-character-in-a-string.html>>

# Include zxpadu2

Thursday, November 23, 2023 6:20 PM

```
"beg:HR:9003156657 PA30 0001 bilgi tipi ANSVH bordro dönemi kontrolü - 23.11.2023
IF innnn-infty EQ '0001'.
IF sy-tcode EQ 'PA30'.
DATA: ls_p0001  LIKE p0001,
      gv_dat1  TYPE sy-datum,
      gv_in_dat2 TYPE sy-datum,
      gv_out_dat2 TYPE sy-datum.

CALL METHOD cl_hr_pnnnn_type_cast=>prelp_to_pnnnn
EXPORTING
      prelp = innnn
IMPORTING
      pnnnn = ls_p0001.

SELECT SINGLE ansvh FROM pa0001
WHERE pernr EQ @ls_p0001-pernr
AND begda EQ @ls_p0001-begda
AND endda EQ @ls_p0001-endda
INTO @DATA(lv_anvh).

IF sy-subrc IS INITIAL.
IF lv_anvh NE ls_p0001-anvh.
SELECT SINGLE * FROM t569v WHERE abkrs EQ @ls_p0001-abkrs INTO @DATA(ls_t569v).
IF sy-subrc IS INITIAL.
      gv_dat1+0(4) = ls_t569v-pabjr.
      gv_dat1+4(2) = ls_t569v-pabrp.
      gv_dat1+6(2) = '01'.
      gv_in_dat2+0(4) = ls_t569v-pabjr.
      gv_in_dat2+4(2) = ls_t569v-pabrp.
      gv_in_dat2+6(2) = '15'.

CALL FUNCTION 'RP_LAST_DAY_OF_MONTHS'
EXPORTING
      day_in      = gv_in_dat2
IMPORTING
      last_day_of_month = gv_out_dat2
EXCEPTIONS
      day_in_no_date  = 1
      OTHERS          = 2.

IF ls_p0001-begda LT gv_dat1.
MESSAGE e008(zhr) WITH gv_dat1 ls_p0001-abkrs.
ENDIF.

IF ls_t569v-state NE '2'.
MESSAGE e009(zhr).
ENDIF.

ENDIF.
ENDIF.
```

```
ENDIF.  
  
CALL METHOD cl_hr_pnnnn_type_cast=>pnnnn_to_prelp  
EXPORTING  
    pnnnn = ls_p0001  
IMPORTING  
    prelp = innnn.  
ENDIF.  
ENDIF.  
"end:HR:9003156657 PA30 0001 bilgi tipi ANSVH bordro dönemi kontrolü - 23.11.2023
```

# ALV Örnek Emrullah aBi

Friday, December 1, 2023 6:05 PM

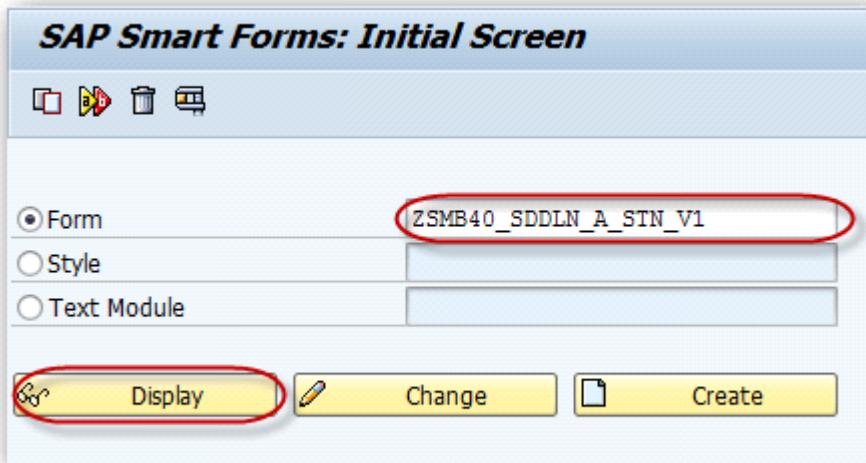
ZPP\_068\_P\_DEMONTE\_BLOKE -> program kaplanlarda

# Smartform Debuglama Linki

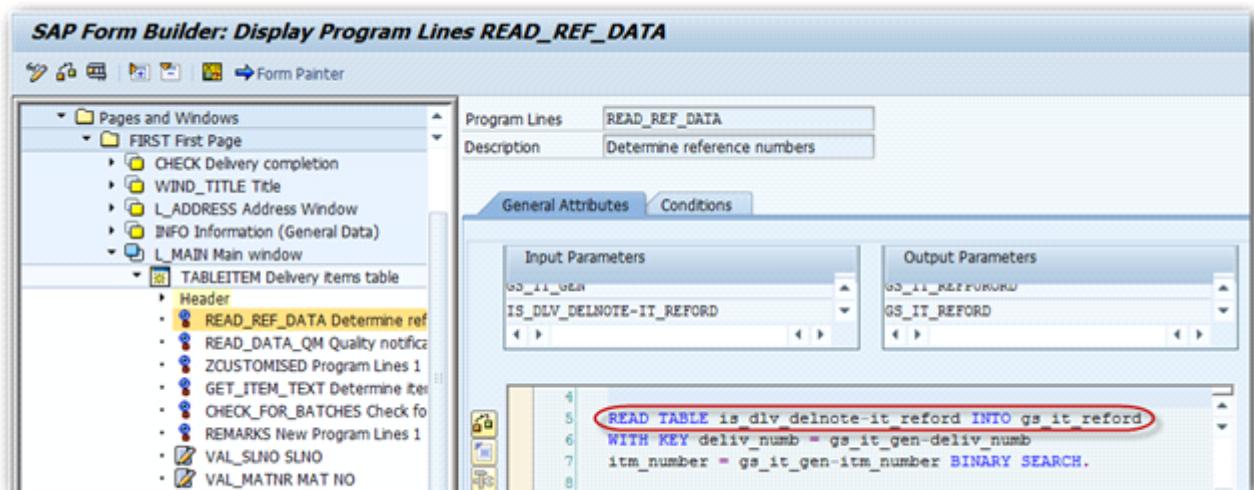
Tuesday, December 5, 2023 1:28 AM

<https://www.saphub.com/smartforms/debug-smartform/>

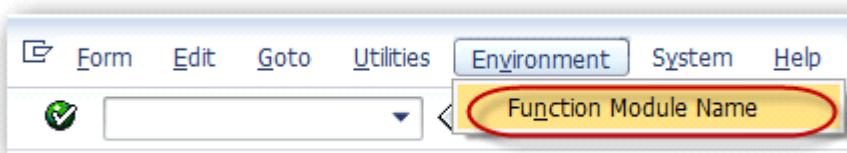
To debug a smartform in quality or testing system, go to tcode SMARTFORMS. Enter the name of the smartform if you know or [find the name of the smartform name from NACE](#) and display the smartform.



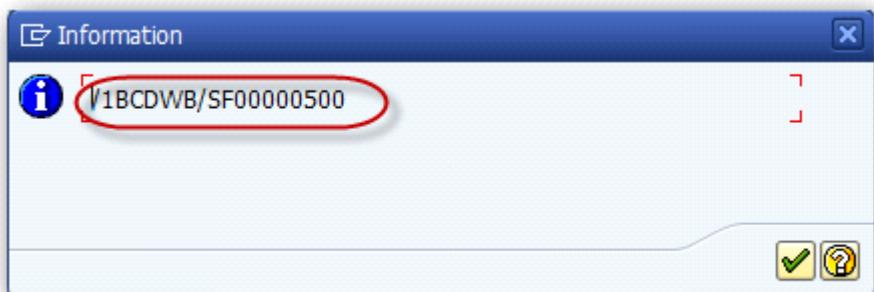
Find the statement in the smartform where you want to place the break-point.



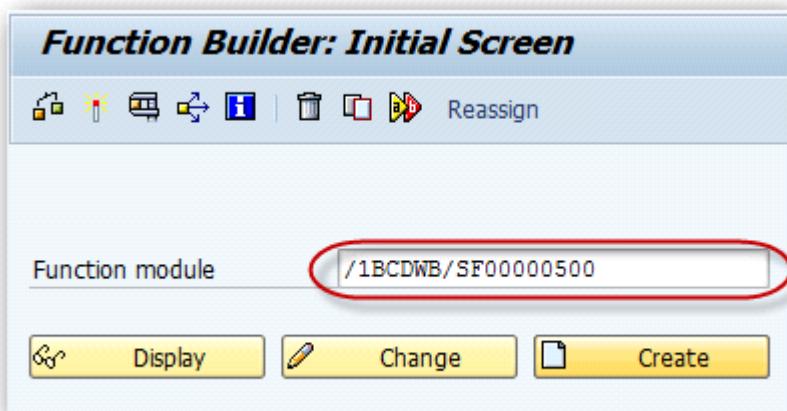
Go to menu Environment → Function Module Name to get the name of the function module for the Smartform.



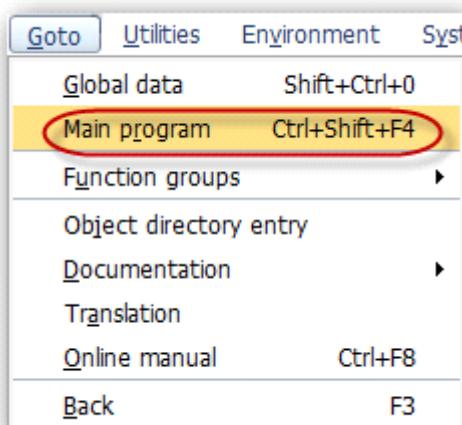
Copy the function module name in the popup.



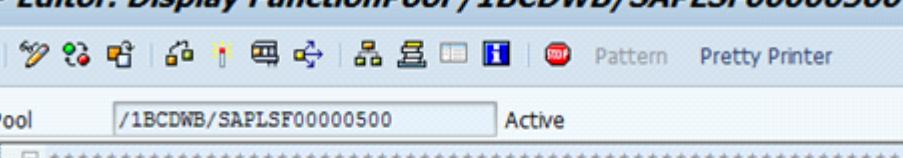
Go to tcode SE37 (Function Builder).



Enter the name of the function module and go to Menu Goto → Main Program.



In the Main Program click on FIND to search the statement where you want to place the breakpoint.

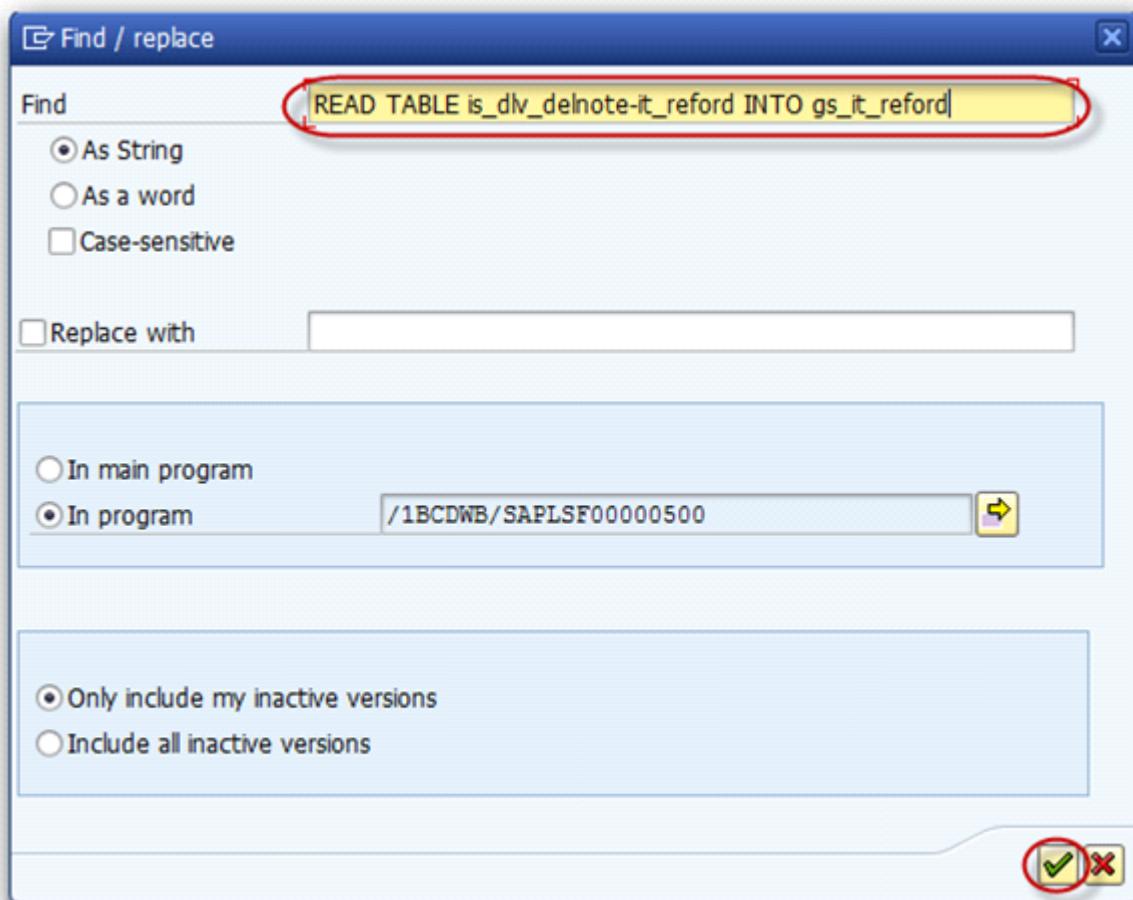


The screenshot shows the SAP ABAP Editor interface with the title "ABAP Editor: Display FunctionPool /1BCDWB/SAPLSF00000500". The toolbar includes standard icons for file operations like Open, Save, Copy, Paste, and Print. Below the toolbar is a menu bar with "File", "Edit", "View", "Insert", "Format", "Search", "Help", and "Exit". The main area displays the content of the function pool:

```
FunctionPool /1BCDWB/SAPLSF00000500 Active

1  ****
2  *      System-defined Include-files. *
3  ****
4  INCLUDE /1BCDWB/LSF00000500TOP.          " Global Data
5  INCLUDE /1BCDWB/LSF00000500UXX.          " Function Modules
6
7  ****
8  *      User-defined Include-files (if necessary). *
9  ****
10 * INCLUDE /1BCDWB/LSF00000500F...        " Subprograms
11 * INCLUDE /1BCDWB/LSF000005000...       " PBO-Modules
12 * INCLUDE /1BCDWB/LSF00000500I...       " PAI-Modules
13 INCLUDE /1BCDWB/LSF00000500F01.
```

Enter the text of the line where you want to place the break-point in the FIND popup.



Place the break-point on the desired line.

## ABAP Editor: Display Include /1BCDWB/LSF00000500F01



Include

/1BCDWB/LSF00000500F01

Active

```
2531  CLEAR gs_it_reford.  
2532  READ TABLE is_dlv_delnote-it_reford INTO gs_it_reford  
2533    WITH KEY deliv_numb = gs_it_gen-deliv_numb  
2534    itm_number = gs_it_gen-itm_number BINARY SEARCH.  
2535    * read purchase order data
```

Now run the driver program, the control stops at the break-point and you can analyze the smartform.

```
FORM %CO8.  
  
  FORM %CO8.  
  
    * read order data  
    CLEAR gs_it_reford.  
  → STOP READ TABLE is_dlv_delnote-it_reford INTO gs_it_reford  
    WITH KEY deliv_numb = gs_it_gen-deliv_numb  
    itm_number = gs_it_gen-itm_number BINARY SEARCH.  
    * read purchase order data
```

From <<https://www.saphub.com/smartsforms/debug-smartform/>>

# Value kullanımı

Monday, December 11, 2023 12:08 PM

```
METHOD get_data.  
  DATA: lt_vkbur      TYPE RANGE OF vkbur,  
        lt_vtweg      TYPE RANGE OF vtweg,  
        lt_kkber      TYPE RANGE OF kkber,  
*       lt_sector      TYPE RANGE OF bu_ind_sector,  
        lv_zsd025      TYPE xfeld VALUE 'X',  
        lt_postab      TYPE TABLE OF vbkred,  
*       lt_postab2     TYPE TABLE OF vbkred,  
        lt_ukm_totals   TYPE TABLE OF ukm_totals,  
        lv_amount       TYPE netwr.  
  
  DATA : lt_sonuc TYPE TABLE OF zsd_076_s_kk_ret_data.  
  
*  DATA(lo_kk) = NEW zcl_sd_076_kk( ).  
  
  CLEAR mt_main_data.  
  lt_kkber = VALUE #( ( sign = 'I' option = 'EQ' low = p_kkber ) ).  
  lt_vkbur = COND #( WHEN p_vkbur IS NOT INITIAL THEN VALUE #( ( sign = 'I' option = 'EQ' low = p_vkbur ) ) ).  
  lt_vtweg = COND #( WHEN p_vtweg IS NOT INITIAL THEN VALUE #( ( sign = 'I' option = 'EQ' low = p_vtweg ) ) ).  
*  lt_sector = COND #( WHEN p_sector IS NOT INITIAL THEN VALUE #( ( sign = 'I' option = 'EQ' low = p_sector ) ) ).  
  
  FREE MEMORY ID zif_bc_memory_id=>zsd_025_credit_control.  
  EXPORT lv_zsd025 = lv_zsd025 TO MEMORY ID zif_bc_memory_id=>zsd_025_credit_control.  
  SUBMIT rvkred01 WITH kkber IN lt_kkber  
    WITH knkli IN s_knkli  
    WITH cmgst EQ 'B'  
    WITH order EQ rb_sip  
    WITH deliv EQ rb_tsl  
    WITH callmode EQ 'X'  
    WITH code EQ 'VKM1'  
    EXPORTING LIST TO MEMORY  
    AND RETURN.  
  IMPORT postab = lt_postab FROM MEMORY ID zif_bc_memory_id=>zsd_025_credit_control.  
  FREE MEMORY ID zif_bc_memory_id=>zsd_025_credit_control.  
*  lt_postab2 = CORRESPONDING #( lt_postab ).  
*  SORT lt_postab2 BY kkber knkli.  
*  DELETE ADJACENT DUPLICATES FROM lt_postab2 COMPARING kkber knkli.  
  IF lt_postab IS NOT INITIAL.  
    DELETE lt_postab WHERE vkbur NOT IN lt_vkbur  
      OR vtweg NOT IN lt_vtweg.  
*      OR kwkkc = 0.
```

# S22 demo sistemde Dynamic Alv Örneği

Thursday, December 14, 2023 1:08 AM

ZBC\_P\_DYANMIC\_REPORT

# Mail Atma Örnek - Uzun Kod

Thursday, December 14, 2023 10:54 AM

```
FUNCTION zsdf_musteri_kredi_maili.  
*-----  
*** Local Interface:  
* IMPORTING  
*      REFERENCE (IT_VBAK)  LIKE  VBAK STRUCTURE  VBAK  
*      REFERENCE (IT_YVBAK)  LIKE  VBAK STRUCTURE  VBAK  
*-----  
  
DATA: gt_baslik TYPE TABLE OF zsd_101_s_01,  
      gs_baslik LIKE LINE OF gt_baslik.  
DATA: gt_eski TYPE TABLE OF zsd_101_s_01,  
      gs_eski LIKE LINE OF gt_eski.  
  
DATA : lv_date      TYPE char10,  
       lv_time       TYPE char8,  
       lv_adres      LIKE soextrecil-receiver,  
       lv_adres_typ  LIKE soextrecil-adr_typ.  
  
DATA:  
      gf_output_soli  TYPE soli,  
      gf_objpack      TYPE sopcklstil,  
      gf_objhead      TYPE solistil,  
      gf_objtxt       TYPE solistil,  
      gf_reclist      TYPE somlrecil,  
      gf_doc_chng    TYPE sodocchgil,  
      gt_output_soli  TYPE TABLE OF soli,  
      gt_objpack      TYPE TABLE OF sopcklstil,  
      gt_objhead      TYPE TABLE OF solistil,  
      gt_objtxt       TYPE TABLE OF solistil,  
      gt_reclist      TYPE TABLE OF somlrecil.  
DATA : g_lines       TYPE sy-tabix,  
      g_msg_lines     TYPE sy-tabix,  
      g_sent_all(1)   TYPE c.  
CONSTANTS : c_doc_type_htm(3)  TYPE c VALUE 'HTM',  
            c_rec_type      TYPE c VALUE 'U',  
            c_express       TYPE c VALUE 'X'.
```

```

CLEAR: gs_baslik.

gs_baslik-col_01 = 'Sipariş Numarası'.

gs_baslik-col_02 = it_vbak-vbeln.

gs_baslik-col_03 = ''.

APPEND gs_baslik TO gt_baslik.

CLEAR: gs_baslik.

gs_baslik-col_01 = 'Sipariş Türü'.

gs_baslik-col_02 = it_vbak-auart.

SELECT SINGLE bezei FROM tvakt INTO gs_baslik-col_03
WHERE spras = 'T' AND auart = it_vbak-auart.

APPEND gs_baslik TO gt_baslik.

CLEAR: gs_baslik.

gs_baslik-col_01 = 'Müşteri Kodu (Sipariş Veren)'.

SELECT SINGLE name1 FROM knal INTO gs_baslik-col_03
WHERE kunnr = it_vbak-kunnr .
DATA lv_kunnr TYPE kunnr.
lv_kunnr = it_vbak-kunnr.
SHIFT lv_kunnr LEFT DELETING LEADING '0'.
gs_baslik-col_02 = lv_kunnr.

APPEND gs_baslik TO gt_baslik.

CLEAR: gs_baslik.

gs_baslik-col_01 = 'Sipariş Tarihi'.

DATA(l_user_format) = |{ it_vbak-
audat DATE = USER }|. "RAW, ISO, USER, ENVIRONMENT
WRITE l_user_format.

gs_baslik-col_02 = l_user_format.

gs_baslik-col_03 = ''.

APPEND gs_baslik TO gt_baslik.

CLEAR: gs_baslik.

gs_baslik-col_01 = 'Satış Organizasyonu'.

gs_baslik-col_02 = it_vbak-vkorg.

SELECT SINGLE vtext FROM tvkot INTO gs_baslik-col_03
WHERE spras = 'T' AND vkorg = it_vbak-vkorg .
APPEND gs_baslik TO gt_baslik.

CLEAR: gs_baslik.

gs_baslik-col_01 = 'Dağıtım Kanalı'.

gs_baslik-col_02 = it_vbak-vtweg.

SELECT SINGLE vtext FROM tvtwt INTO gs_baslik-col_03
WHERE spras = 'T' AND vtweg = it_vbak-vtweg .
APPEND gs_baslik TO gt_baslik.

```

```

CLEAR:  gs_baslik.

gs_baslik-col_01 = 'Satış Bürosu'.
gs_baslik-col_02 = it_vbak-vkbur.

SELECT SINGLE bezei FROM tvkbt INTO gs_baslik-col_03
WHERE spras = 'T' AND vkbur = it_vbak-vkbur .
APPEND gs_baslik TO gt_baslik.

CLEAR:  gs_baslik.

gs_baslik-col_01 = 'Satış Grubu'.
gs_baslik-col_02 = it_vbak-vkgrp.

SELECT SINGLE bezei FROM tvgrt INTO gs_baslik-col_03
WHERE spras = 'T' AND vkgrp = it_vbak-vkgrp .
APPEND gs_baslik TO gt_baslik.

gf_objtxt-line = '<body bgcolor = "#E6E6FA">'.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

CONCATENATE '<FONT COLOR = "#000000" face="Garamond">' '<b>'
INTO gf_objtxt-line.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

CONCATENATE '<p>' 'Merhaba,' '</p>'

INTO gf_objtxt-line.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

gf_objtxt-line = space.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

CONCATENATE '<p>'

      'Aşağıda bilgileri bulunan SD siparişinin genel kredi durumunda
değişiklik olmuştur.'

      '</p>'

INTO gf_objtxt-line SEPARATED BY space.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

CHECK gt_baslik IS NOT INITIAL.

gf_objtxt-line = space.

APPEND gf_objtxt TO gt_objtxt.

gf_objtxt-line = '</center>'.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

```

```

gf_objtxt-line = '<TABLE width= "40%" border="1" style="border-collapse:collapse">'.
APPEND gf_objtxt TO gt_objtxt.

"1. SATIR:
CLEAR gf_objtxt.
CONCATENATE '<TR BGCOLOR = "#F2F2F2" width="50"'  

'align = "center">'  

INTO gf_objtxt-line SEPARATED BY space.
APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.
CONCATENATE '<td colspan = "3" align = "center" BGCOLOR = "#F2F2F2" width="50">'  

'<B>SİPARİŞ BAŞLIK BİLGİLERİ</B>'  

'</td></TR>' INTO gf_objtxt-line.
APPEND gf_objtxt TO gt_objtxt.

"-----1. SATIR:

LOOP AT gt_baslik INTO gs_baslik.
CONCATENATE '<TR><td align = "LEFT" BGCOLOR = "#F2F2F2" >'  

gs_baslik-col_01  

'</td>' INTO gf_objtxt-line.
APPEND gf_objtxt TO gt_objtxt.
CLEAR gf_objtxt.
CONCATENATE '<td align = "LEFT" BGCOLOR= "#FFFFFF" >'  

gs_baslik-col_02  

'</td>' INTO gf_objtxt-line.
APPEND gf_objtxt TO gt_objtxt.
CLEAR gf_objtxt.
CONCATENATE '<td align = "LEFT" BGCOLOR= "#FFFFFF" >'  

gs_baslik-col_03  

'</td></TR>' INTO gf_objtxt-line.
APPEND gf_objtxt TO gt_objtxt.
CLEAR gf_objtxt.
ENDLOOP.

```

```

gf_objtxt-line = '</TABLE>'.
APPEND gf_objtxt TO gt_objtxt.

gf_objtxt-line = '<br> <br>'.
APPEND gf_objtxt TO gt_objtxt.

"----->>>>> 2. TABLE:

DATA: lv_sip TYPE char30,
      lv_krd TYPE char30,
      lv_netwr TYPE char20,
      lv_amtbl TYPE char20.

CLEAR: gs_eski.
gs_eski-col_01 = 'Tarih'.
DATA(l_user_format2) = |{ it_yvbak-aedat DATE = USER }|.
WRITE l_user_format2.
DATA(l_user_format3) = |{ it_vbak-aedat DATE = USER }|.
WRITE l_user_format3.
gs_eski-col_02 = l_user_format2.
gs_eski-col_03 = l_user_format3.
APPEND gs_eski TO gt_eski.
CLEAR: gs_eski.
gs_eski-col_01 = 'Kullanıcı'.
gs_eski-col_02 = it_yvbak-last_changed_by_user.
gs_eski-col_03 = it_vbak-last_changed_by_user.
APPEND gs_eski TO gt_eski.
CLEAR: gs_eski.
gs_eski-col_01 = 'Sipariş Değeri'.
WRITE it_yvbak-netwr CURRENCY 'EUR' TO lv_netwr.
CONCATENATE lv_netwr it_yvbak-waerk INTO lv_sip SEPARATED BY space.
gs_eski-col_02 = lv_sip.
CLEAR lv_sip.
WRITE it_vbak-netwr CURRENCY 'EUR' TO lv_netwr.
CONCATENATE lv_netwr it_vbak-waerk INTO lv_sip SEPARATED BY space.
gs_eski-col_03 = lv_sip.
APPEND gs_eski TO gt_eski.
CLEAR: gs_eski.
gs_eski-col_01 = 'Kredi değeri'.
WRITE it_yvbak-amtbl CURRENCY 'EUR' TO lv_amtbl.

```

```

CONCATENATE lv_amtbl it_yvbak-cmwae INTO lv_krd SEPARATED BY space.
gs_eski-col_02 = lv_krd.
CLEAR lv_krd.
WRITE it_vbak-amtbl CURRENCY 'EUR' TO lv_amtbl.
CONCATENATE lv_amtbl it_vbak-cmwae INTO lv_krd SEPARATED BY space.
gs_eski-col_03 = lv_krd.
APPEND gs_eski TO gt_eski.
CLEAR: gs_eski.

gs_eski-col_01 = 'Genel kredi drm'.
gs_eski-col_02 = it_yvbak-cmgst.
gs_eski-col_03 = it_vbak-cmgst.
APPEND gs_eski TO gt_eski.

gf_objtxt-line = '<TABLE width= "40%" border="1" style="border-collapse:collapse">'.
APPEND gf_objtxt TO gt_objtxt.

"1. SATIR:
CLEAR gf_objtxt.
CONCATENATE '<TR><td align = "LEFT" BGCOLOR = "#F2F2F2" width="50"' 
'<B></B>' 
'</td>' INTO gf_objtxt-line.
APPEND gf_objtxt TO gt_objtxt.
CLEAR gf_objtxt.
CONCATENATE '<td align = "LEFT" BGCOLOR = "#F2F2F2" width="50">' 
'<B>ESKİ</B>' 
'</td>' INTO gf_objtxt-line.
APPEND gf_objtxt TO gt_objtxt.
CLEAR gf_objtxt.
CONCATENATE '<td align = "LEFT" BGCOLOR = "#F2F2F2" width="50">' 
'<B>YENİ</B>' 
'</td></TR>' INTO gf_objtxt-line.
APPEND gf_objtxt TO gt_objtxt.
CLEAR gf_objtxt.

"-----1. SATIR:
LOOP AT gt_eski INTO gs_eski.

CONCATENATE '<TR><td align = "LEFT" BGCOLOR = #F2F2F2 >' 
gs_eski-col_01
'</td>' INTO gf_objtxt-line.
APPEND gf_objtxt TO gt_objtxt.

```

```

CLEAR gf_objtxt.

CONCATENATE '<td align = "LEFT" BGCOLOR= "#FFFFFF">'  

          gs_eski-col_02  

'</td>' INTO gf_objtxt-line.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

CONCATENATE '<td align = "LEFT" BGCOLOR= "#FFFFFF">'  

          gs_eski-col_03  

'</td></TR>' INTO gf_objtxt-line.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

ENDLOOP.

```

```

gf_objtxt-line = '</TABLE>'.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

gf_objtxt-line = '</center>'.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

gf_objtxt-line = '<br>Saygılarımızla.<br />'.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

CONCATENATE '<br><left><font size="1">'  

'Bu mail otomatik olarak gönderilmiştir.'  

'<font/>'  

INTO gf_objtxt-line SEPARATED BY space.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

gf_objtxt-line = '</body>'.

APPEND gf_objtxt TO gt_objtxt.

CLEAR gf_objtxt.

DESCRIBE TABLE gt_objtxt LINES g_msg_lines.

READ TABLE gt_objtxt INTO gf_objtxt INDEX g_msg_lines.

gf_doc_chng-doc_size = ( g_msg_lines - 1 ) * 255 +
strlen( gf_objtxt ).
```

```

gf_doc_chng_obj_descr = 'SD Kredi Durumu Bilgilendirme'.
gf_objpack-transf_bin = ' '.
gf_objpack-head_start = 1.
gf_objpack-head_num   = 0.
gf_objpack-body_start = 1.
gf_objpack-body_num   = g_msg_lines.
gf_objpack-doc_type   = c_doc_type_htm.
APPEND gf_objpack TO gt_objpack.
CLEAR gf_objpack.

DESCRIBE TABLE gt_output_soli LINES g_lines.

IF g_lines <> 0.
LOOP AT gt_output_soli INTO gf_output_soli.
  gf_objtxt = gf_output_soli.
  APPEND gf_objtxt TO gt_objtxt.
  CLEAR gf_objtxt.
ENDLOOP.

ENDIF.

gf_reclist-receiver = 'hakan@abc.com'.
gf_reclist-rec_type = c_rec_type.
gf_reclist-express  = c_express.
APPEND gf_reclist TO gt_reclist.
CLEAR gf_reclist.

CLEAR : lv_adres, lv_adres_typ.
lv_adres = 'steeldonotreply@abc.com'.
lv_adres_typ = 'SMTP'.

CALL FUNCTION 'SO_DOCUMENT_SEND_API1'
  EXPORTING
    document_data          = gf_doc_chng
    put_in_outbox          = 'X'
    commit_work             = 'X'
    sender_address          = lv_adres
    sender_address_type     = lv_adres_typ
  IMPORTING
    sent_to_all             = g_sent_all
  TABLES
    packing_list            = gt_objpack
    object_header            = gt_objhead

```

```

contents_txt          = gt_objtxt
receivers            = gt_reclist

EXCEPTIONS
too_many_receivers   = 1
document_not_sent    = 2
document_type_not_exist = 3
operation_no_authorization = 4
parameter_error       = 5
x_error               = 6
enqueue_error          = 7
OTHERS                 = 8.

IF sy-subrc = 0.
  cl_os_transaction_end_notifier->raise_commit_requested( ).
  CALL FUNCTION 'DB_COMMIT'.
  cl_os_transaction_end_notifier->raise_commit_finished( ).
ENDIF.

ENDFUNCTION.

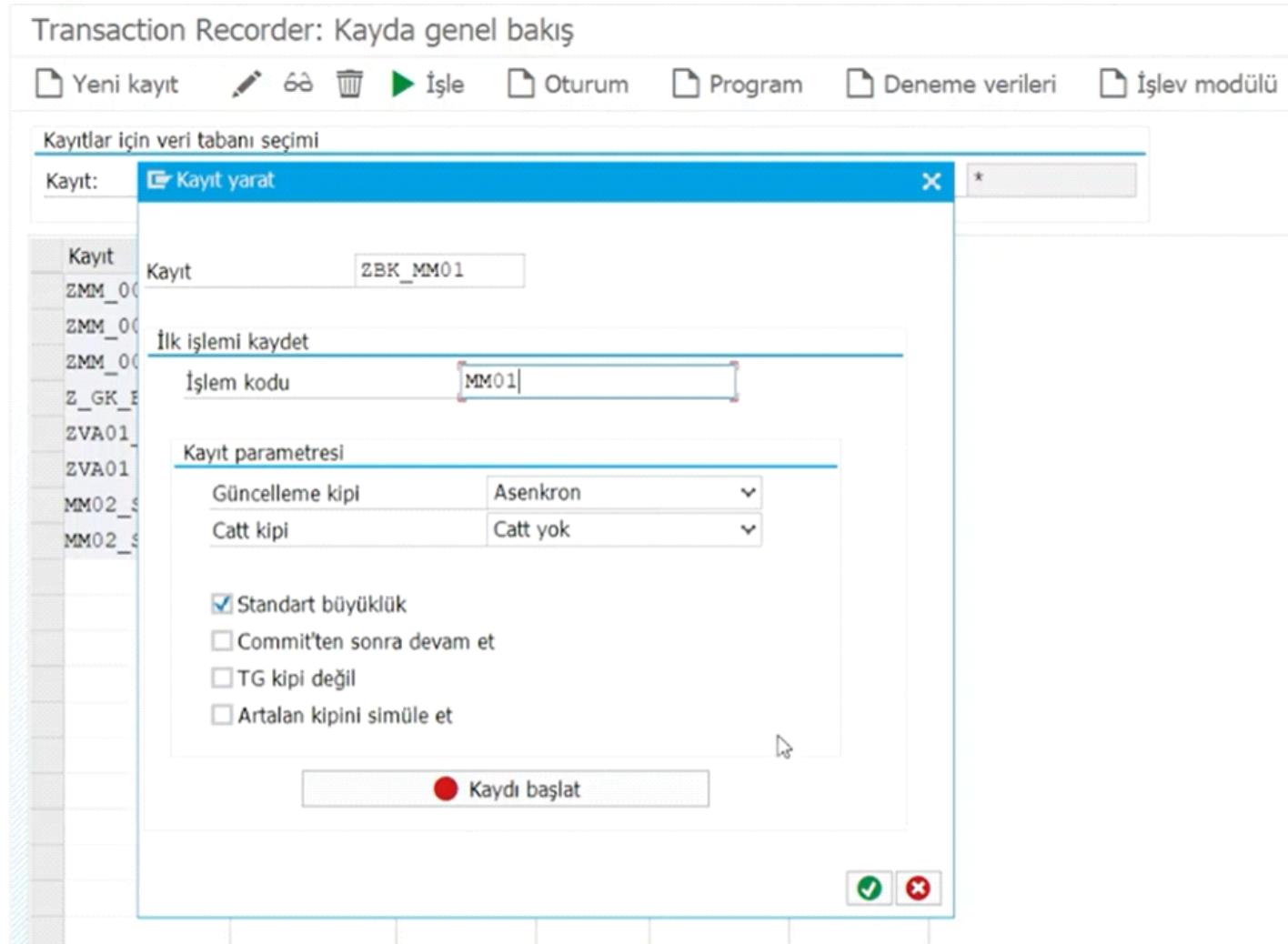
```

From <[https://itellicloud-my.sharepoint.com/personal/ozcan\\_elmaci\\_bs\\_nttdata\\_com/Documents/Desktop/ABAP%20Notlar/Mail%20atma%20örnek%20kod.docx](https://itellicloud-my.sharepoint.com/personal/ozcan_elmaci_bs_nttdata_com/Documents/Desktop/ABAP%20Notlar/Mail%20atma%20örnek%20kod.docx)>

# Batch

Thursday, December 14, 2023 10:55 AM

SHDB tcode ile girilir



Yeni kayıta basınca bu ekran çıkıyor, kayıt yerine isim veriyoruz. İşlem kodunu giriyoruz ve ardından kaydı başlata basıyoruz.

## F-02'yi parametre ile çağrıma

Thursday, December 14, 2023 11:02 AM

```
DATA: bdcdata_wa  TYPE bdcdata,
      bdcdata_tab TYPE TABLE OF bdcdata.
CLEAR bdcdata_wa.
bdcdata_wa-program = 'SAPMF05A'.
bdcdata_wa-dynpro = '0100'.
bdcdata_wa-dynbegin = 'X'.
APPEND bdcdata_wa TO bdcdata_tab.
CLEAR bdcdata_wa.
bdcdata_wa-fnam = 'BKPF-BELNR'.
bdcdata_wa-fval = gs_list-belnr.
APPEND bdcdata_wa TO bdcdata_tab.
CALL TRANSACTION 'F-02' WITH AUTHORITY-CHECK using bdcdata_tab
      Mode 'E'.

CASE ucomm.
WHEN '&IC1'.
SET PARAMETER ID 'VL' FIELD selfield-value.
      CALL TRANSACTION 'VL02N' AND SKIP FIRST SCREEN.
ENDCASE.

From <https://answers.sap.com/questions/4520113/disable-buttons-in-aly-status-bar.html>
Başka bir çözüm yolu olarak bu var!
```

# Select case kullanımı

Thursday, December 14, 2023 3:18 PM

```
"CASE WHEN netwr LT 6000 THEN 'C610' END AS rowcolor
```

```
"beg:MM:9003131024-Termin miktarı ve MG miktarının kıyaslanması-14.12.2023
    LOOP AT gt_eket ASSIGNING FIELD-SYMBOL(<lfs_eket>)
        WHERE ebeln EQ <lfs_group>-ebeln
              AND ebelp EQ <fs_group>-ebelp.

            IF <lfs_eket>-menge GT <lfs_eket>-wemng.
                MESSAGE 'Teslim Edilmesi Bekleyen Ara Sipariş Var. Bu ned
enle teslim tiki atılamamaktadır.' type 'E'.
            ENDIF.
        ENDLOOP.
"end:MM:9003131024-
Termin miktarı ve MG miktarının kıyaslanması-14.12.2023
```

# Handle\_data\_changed'de modify

Thursday, December 14, 2023 6:15 PM

```
METHOD handle_data_changed.

LOOP AT er_data_changed->mt_good_cells ASSIGNING FIELD-
SYMBOL(<cell>).
  READ TABLE gt_alv ASSIGNING FIELD-SYMBOL(<ms_alv>) INDEX <cell>-
row_id.
  IF <ms_alv> IS ASSIGNED.
    "beg:MM:9003131024-
Termin miktarı ve MG miktarının kıyaslanması-14.12.2023
    IF <cell>-value IS NOT INITIAL.
      READ TABLE gt_eket INTO DATA(ls_eket)
        WITH KEY ebeln = <ms_alv>-ebeln
          ebelp = <ms_alv>-ebelp.

      IF sy-subrc IS INITIAL.
        IF ls_eket-not_allowed EQ 'X'.

          MESSAGE 'Teslim Edilmesi Bekleyen Ara Sipariş Var. Bu neden
le teslim tiki atılamamaktadır.'
          TYPE 'I' DISPLAY LIKE 'E'.

          CLEAR: <cell>-value.
        ENDIF.
      ENDIF.

    ENDIF.

    CALL METHOD er_data_changed->modify_cell
      EXPORTING
        i_row_id      = <cell>-row_id
        i_fieldname   = <cell>-fieldname
        i_value       = <cell>-value.
    "end:MM:9003131024-
Termin miktarı ve MG miktarının kıyaslanması-14.12.2023

      ENDIF.
    ENDLOOP.

    CALL METHOD me->refresh.

ENDMETHOD.
```

# Migo - Kontrol Siparişi Yaratırken Kontrol

Friday, December 15, 2023 11:34 AM

```
114 "beg:Emine Sümeyye Bayındır / OELMACI-15.12.2023 -> ZMM_ANTR_DEPO tablosundan depo kontrolü
115
116 DATA : ls_goitem TYPE goitem,
117       lv_prg    TYPE string VALUE '(SAPLMIGO)GOITEM'.
118
119 FIELD-SYMBOLS : <fs_goitem>.
120 ASSIGN (lv_prg) TO <fs_goitem>.
121
122 CLEAR ls_goitem.
123
124 ls_goitem = <fs_goitem>.
125
126 data: lt_antre_depo type table of ZMM_ANTR_DEPO.
127
128 IF i_tq32-herkunft eq '01' and i_werks eq 'T001'.
129
130   select * from ZMM_ANTR_DEPO into table lt_antre_depo.
131
132   READ TABLE LT_ANTR_DEPO with key WERKS = 'T001' LGORT = i_lgort TRANSPORTING NO FIELDS.
133   IF sy-subrc is INITIAL.
134     e_no_inspection = 'X'.
135   else.
136     e_no_inspection = ' '.
137   ENDIF.
138
139 ELSEIF i_tq32-herkunft eq '08' and i_werks eq 'T001'.
140   IF i_tq32-art eq '08'.
141     select * from ZMM_ANTR_DEPO into table lt_antre_depo.
142
143     READ TABLE LT_ANTR_DEPO with key WERKS = 'T001' LGORT = i_lgort TRANSPORTING NO FIELDS.
144     IF sy-subrc is INITIAL.
145       e_no_inspection = ' '.
146     else.
147       e_no_inspection = 'X'.
148     ENDIF.
149   ENDIF.
150 ENDIF.
151
152 "end:Emine Sümeyye Bayındır / OELMACI-15.12.2023 -> ZMM_ANTR_DEPO tablosundan depo kontrolü
```

Smod ekranından QAAT0001 yazdım, components kısmına girdim

Exit : EXIT\_SAPLQAAT\_002 seçtim kodu yazdım.

# Dinamik ALV

Tuesday, December 19, 2023 10:45 AM

Dinamik Alv Örneği genel tablar kısmına kaydedildi.

# ABAP SQL With +Query(Beyhan abiden notlar)

Friday, December 22, 2023 6:12 PM

Merhaba Arkadaşlar,

Hepinizi iyisiniz umarım.

Kimi zaman içerisinde gruptlama bulunan queryleri joinlerde kullanmak gerekebiliyor. Böyle bir durum aşağıdaki with + yapısını kullanabilirsiniz.

Buna alternatif olarak çok yerde kullanılması gerek bir view ise bu query, cds view da oluşturabilirsiniz.

```
WITH
    +lastinit AS (
        SELECT class, MAX( id ) AS id FROM ztg_zii_t_json
        WHERE json_type EQ @c_json_type-initial
            AND ( status EQ @c_process_status-
completed OR status EQ @c_process_status-partially_completed )
        GROUP BY class
    )
    +maxtree AS (
        SELECT class, v_tree_order , MAX( pvname ) AS pvname FROM ztg_zi
i_t_mbom GROUP BY class ,v_tree_order
    )

    SELECT
        m~node_id
        ,m~class
        ,m~json_sap_id
        ,m~v_tree_order
        ,m~pname
        ,m~pvname
        ,m~variant_status
        ,m~pnguid
        ,m~pntype
        ,m~parent_node_id
        ,m~parent_pnguid
        ,m~parent_pname
        ,m~parent_ntype
        ,m~rel_guid
        FROM ztg_zii_t_mbom AS m
        INNER JOIN ztg_zii_t_json AS j ON j~id EQ m~json_sap_id
        INNER JOIN +maxtree AS x ON x~v_tree_order EQ m~v_tree_order AND
x~pvname EQ m~pvname
        INNER JOIN +lastinit AS i ON i~class EQ m~class AND i~id LE m~js
on_sap_id
        INTO TABLE @ref_records_via_treeorder.
```

Kimi zamanda çoklu for all entries kullanmak gerekiyor, bu da mümkün olmadığından, aşağıdaki gibi bunu yazıp kullanabilirsiniz.

```
SELECT class, MAX( id ) AS id FROM ztg_zii_t_json
    WHERE json_type EQ @c_json_type-initial
        AND ( status EQ @c_process_status-
completed OR status EQ @c_process_status-partially_completed )
```

```

        GROUP BY class
        INTO TABLE @data(last_initis) .

WITH
+lastinit AS (
    SELECT * from @last_initis as l
) ,

+maxtree AS (
    SELECT class, v_tree_order , MAX( pname ) AS pname FROM ztg_zi
i_t_mbom GROUP BY class ,v_tree_order
)

SELECT
    m~node_id
    ,m~class
    ,m~json_sap_id
    ,m~v_tree_order
    ,m~pname
    ,m~pvname
    ,m~variant_status
    ,m~pnguid
    ,m~pntype
    ,m~parent_node_id
    ,m~parent_pnguid
    ,m~parent_pname
    ,m~parent_ntype
    ,m~rel_guid
FROM ztg_zii_t_mbom AS m
INNER JOIN ztg_zii_t_json AS j ON j~id EQ m~json_sap_id
INNER JOIN +maxtree AS x ON x~v_tree_order EQ m~v_tree_order AND
x~pname EQ m~pvname
INNER JOIN +lastinit AS i ON i~class EQ m~class AND i~id LE m~js
on_sap_id
    INTO TABLE @ref_records_via_treeorder.

```

# ABAP SQL With + Query (2)

Friday, December 22, 2023 6:14 PM

Merhaba Arkadaşlar,

Ben de ekstra olarak bir şeyler eklemek isterim. CTE'yi Hiyerarşik yapıların çekilmesi içinde kullanabiliriz.

```
WITH +hierarchy1 AS ( SELECT marc~matnr,
    marc~zzref_matnr,
    zzgnclrefsi,
    @ls_dat-material AS parent,
    @ls_dat-plant AS plant,
    @ls_dat-quantity AS quantity,
    @ls_dat-suppl_plnt AS suppl_plnt,
    @ls_dat-ekorg AS ekorg,
    @ls_dat-lifnr AS lifnr,
    @ls_dat-mtart AS mtart,
    @ls_dat-stge_loc AS stge_loc
    FROM marc WHERE ( zzgnclrefsi IN ( 'SI1',
    'SI4' ) OR
                        zzref_matnr IS INITIAL
    AND zzgnclrefsi EQ ' ' ) AND
                        werks EQ @ls_dat-plant )
    WITH ASSOCIATIONS ( JOIN TO
MANY +hierarchy1 AS hier1 ON +hierarchy1~matnr = hier1~zzref_matnr )

    SELECT DISTINCT matnr,
        zzref_matnr,
        zzgnclrefsi,
        parent,
        plant,
        quantity,
        suppl_plnt,
        ekorg,
        lifnr,
        mtart,
        stge_loc
        FROM HIERARCHY( SOURCE +hierarchy1 CHILD TO
PARENT ASSOCIATION hier1
                        START WHERE matnr EQ
@ls_dat-material AND
                        fsi EQ 'SI1' OR
                        fsi EQ 'SI4' )
        matnr
        SIBLINGS ORDER BY
        OWED )
        MULTIPLE PARENTS ALL
        APPENDING
    CORRESPONDING FIELDS OF TABLE @lt_result.
```

Paylaştığım kodda ilgili malzeme için üst bir referans malzeme varsa bunları recursive gibi davranışarak son referansa kadar çekecektir.

Ayrıca çoklu select gerektiren yapılarda CTE CDS ve AMDP ile karşılaştırıldığında aşağıdaki gibi sonuçlar sağlayabilmektedir.

Open SQL    CDS    AMDP  
1. 264.16 228.28 197.63

2. 178.75 204.22 223.59
  3. 210.28 201.12 219.49
  4. 203.02 184.15 223.47
  5. 207.51 170.6 221.25
  6. 182.65 207.63 207.4
  7. 194.28 170.00 209.98
  8. 195.05 181.01 238.32
  9. 215.18 170.15 232.45
  10. 184.97 161.35 208.81
- 

Avg: 203.58 187.85 218.23

## ABAP SQL With + Query (3)

Friday, December 22, 2023 6:15 PM

Merhaba Enes,

Çok işime yaradı. Teşekkür ederim.

Örnek olarak kalması açısından hem CTE hem abap kodunu bırakıyorum.

## Tablo yapısı.

#### Method Sonucu:

### Method:

```
Method:  
CLASS zlcl_cl_cte_bm DEFINITION  
  PUBLIC  
  FINAL  
  CREATE PUBLIC .  
  
PUBLIC SECTION.  
  
TYPES: BEGIN OF ty_parent,  
        node      TYPE ztg_zii_t_mbom-node_id,  
        pnguid    TYPE ztg_zii_t_mbom-pnguid,  
        parent_pn guid TYPE ztg_zii_t_mbom-parent_pn guid.
```

```

        END OF ty_parent,
        tt_parent TYPE TABLE OF ty_parent.

CLASS-METHODS get_parents
  IMPORTING
    i_pnnguid TYPE ztg_zii_t_mbom-pnnguid
  EXPORTING
    e_results TYPE tt_parent.
  PROTECTED SECTION.
  PRIVATE SECTION.
ENDCLASS.

CLASS ZLCL_CL_CTE_BM IMPLEMENTATION.

* <SIGNATURE>-----
+-----+
* | Static Public Method ZLCL_CL_CTE_BM=>GET_PARENTS
* +-----+
+-----+
* | [--->] I_PNNGUID           TYPE      ZTG_ZII_T_MBOM-PNNGUID
* | [<---] E_RESULTS           TYPE      TT_PARENT
* +-----+
-----</SIGNATURE>
METHOD get_parents.

  WITH +parenthierarchy AS
    ( SELECT node_id as node ,pnnguid ,parent_pnnguid FROM ztg_zii_t_mbom )
    WITH ASSOCIATIONS ( JOIN TO MANY +parenthierarchy AS ph ON +parenthierarchy-pnnguid = ph~parent_pnnguid )

    SELECT DISTINCT node,pnnguid ,parent_pnnguid
    FROM HIERARCHY( SOURCE +parenthierarchy CHILD TO PARENT ASSOCIATION ph
      START WHERE pnnguid EQ @i_pnnguid
      SIBLINGS ORDER BY pnnguid
      MULTIPLE PARENTS ALLOWED )
    APPENDING CORRESPONDING FIELDS OF TABLE @e_results.

ENDMETHOD.
ENDCLASS.

```

Aynı mantıkta, recursive Abap Kodu:

```

* <SIGNATURE>-----
+-----+
* | Static Public Method ZTG_ZII_CL_MBOM_UTIL=>GET_PARENT_NODES
* +-----+
+-----+
* | [--->] I_PNAME           TYPE      PNODID-
PNAME(optional)
* | [--->] I_PNNGUID          TYPE      PNODID-
PNNGUID(optional)
* | [--->] I_LEVEL            TYPE      I(optional)
* | [--->] I_LEVEL_LIMIT      TYPE      I(optional)
* | [<---] E_PARENT_NODES     TYPE      TT_PARENT_NODE
* | [<-()] R_STATE             TYPE      ZTG_ZII_S_STATE
* +-----+
-----</SIGNATURE>
METHOD get_parent_nodes.
  TRY.

    IF i_pname IS INITIAL AND i_pnnguid IS INITIAL.
      r_state-status = c_stat-warning.
      MESSAGE s122(ztg_zii) INTO r_state-status_text.
    ELSE.

      DATA: r_pname  TYPE ty_r_pname,

```

```

r_pnguid TYPE ty_r_pnguid.

IF i_pname IS NOT INITIAL.
  APPEND VALUE #( sign = 'I' option = 'EQ' low = i_pname ) TO r_p
name.
ENDIF.

IF i_pnguid IS NOT INITIAL.
  APPEND VALUE #( sign = 'I' option = 'EQ' low = i_pnguid ) TO r_
pnguid.
ENDIF.

SELECT p~pname ,p~pnguid
  ,pc~pnguid AS parent_pnguid ,pc~pname AS parent_pname
FROM pnodid AS p
LEFT OUTER JOIN prelid AS r ON r~guid2 EQ p~pnguid
LEFT OUTER JOIN pnodid AS pc ON pc~pnguid EQ r~guid1
WHERE p~pname IN @r_pname
  AND p~pnguid IN @r_pnguid
INTO TABLE @DATA(parents).

IF sy-subrc IS INITIAL.

LOOP AT parents ASSIGNING FIELD-SYMBOL(<fs>).
  APPEND VALUE ty_parent_node(
    pnguid      = <fs>-parent_node
    pname       = <fs>-parent_pname
    parent_pname = <fs>-parent_pname
    parent_pnguid = <fs>-parent_pnguid
    level        = i_level
  ) TO e_parent_nodes.
ENDLOOP.

i_level += 1.
IF i_level_limit IS INITIAL OR
  ( i_level_limit IS NOT INITIAL AND i_level < i_level_limit ).

DATA: tmp_nodes TYPE tt_parent_node.
LOOP AT e_parent_nodes ASSIGNING FIELD-SYMBOL(<fse>)
  WHERE parent_pnguid IS NOT INITIAL.
get_parent_nodes(
  EXPORTING
    i_pnguid      = <fse>-parent_pnguid
    i_level       = i_level
    i_level_limit = i_level_limit
  IMPORTING
    e_parent_nodes = DATA(parents2)
  RECEIVING
    r_state       = <fse>-parent_status
) .

APPEND LINES OF parents2 TO tmp_nodes.
REFRESH parents2.

IF <fse>-parent_status NE c_stat-success.
  APPEND VALUE ty_parent_node(
    pnguid      = <fse>-parent_pnguid
    pname       = <fse>-parent_pname
    level        = i_level
    parent_status-status = c_stat-info
  ) TO tmp_nodes.
ENDIF.

ENDLOOP.

APPEND LINES OF tmp_nodes TO e_parent_nodes.
ENDIF.
ENDIF.

IF e_parent_nodes IS NOT INITIAL.
  r_state-status = c_stat-success.
ELSE.
  r_state-status = c_stat-warning.

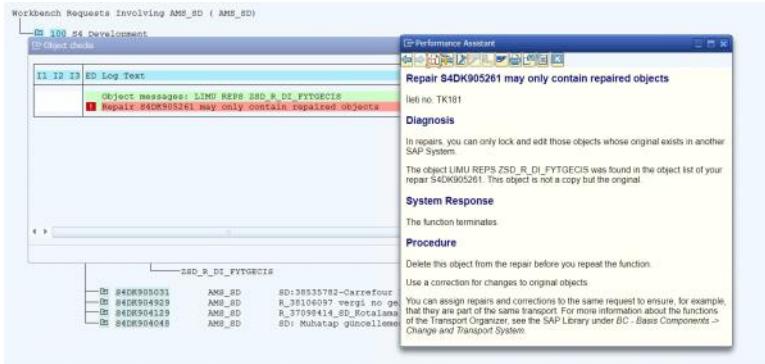
```

```
MESSAGE s124(ztg_zii) INTO r_state-status_text.  
ENDIF.  
ENDIF.  
CATCH cx_root INTO DATA(exref).  
r_state-status = c_stat-error.  
r_state-status_text = exref->get_text( ).  
ENDTRY.  
  
ENDMETHOD.
```

## Repair Request Release Etme Sorunu Çözme

Tuesday, December 26, 2023 5:27 PM

Alınan Hata:



Çözümü:

This is a screenshot of the SAP for Me knowledge base article page for issue 2803373. The title is '2803373 - Repair \*\*\* may only contain repaired objects'. The article is a SAP Knowledge Base Article, Version: 3, Released On: 24.01.2023. The 'Description' tab is selected. The 'Environment' section includes 'Release independent'. The 'Reproducing the Issue' section describes a transport request (SE01/SE09/SE10) where the 'Release Directly' button is clicked. The 'Cause' section notes three types of transport tasks: Development/Correction, Repair, and Unclassified. The 'Resolution' section provides two options: deleting the object from the task or changing its task type to Development/Correction. The 'Keywords' section lists TK181, Task Type, repair, SE01, SE09, SE10, STMS, original system. The 'Products' section lists SAP NetWeaver all versions. The 'Attributes' section shows a table with one row: Other Components BC-CTS-TLS (Transport Tools). The 'Available Languages' section indicates the article is available in multiple languages.

# ALV RENK KODLARI

Wednesday, December 27, 2023 5:13 PM

Color C101	Color C201	Color C301	Color C401	Color C501	Color C601	Color C701
Color C101	Color C201	Color C301	Color C401	Color C501	Color C601	Color C701
Color C101	Color C201	Color C301	Color C401	Color C501	Color C601	Color C701
Color C101	Color C201	Color C301	Color C401	Color C501	Color C601	Color C701
Color C101	Color C201	Color C301	Color C401	Color C501	Color C601	Color C701
Color C100	Color C200	Color C300	Color C400	Color C500	Color C600	Color C700
Color C100	Color C200	Color C300	Color C400	Color C500	Color C600	Color C700
Color C100	Color C200	Color C300	Color C400	Color C500	Color C600	Color C700
Color C100	Color C200	Color C300	Color C400	Color C500	Color C600	Color C700
Color C100	Color C200	Color C300	Color C400	Color C500	Color C600	Color C700
Color C111	Color C211	Color C311	Color C411	Color C511	Color C611	Color C711
Color C111	Color C211	Color C311	Color C411	Color C511	Color C611	Color C711
Color C111	Color C211	Color C311	Color C411	Color C511	Color C611	Color C711
Color C111	Color C211	Color C311	Color C411	Color C511	Color C611	Color C711

# Select içinde concat kullanımı

Thursday, December 28, 2023 3:46 PM

```
SELECT concat( belnr , gjahr )
FROM rseg
INTO @DATA(lv_accdoc_year)
UP TO 1 ROWS.
ENDSELECT.
```

From <<https://answers.sap.com/questions/563649/concatenate-two-fields-within-select-query.html>>

## SD Belgesi Yaratma

Tuesday, January 2, 2024 12:04 PM

#### **Check\_xls Metodu:**

```

METHOD check.xls.
TYPES : BEGIN OF ty_mara,
          matnr TYPE matnr,
        END OF ty_mara,
        BEGIN OF ty_makt,
          matnr TYPE matnr,
          maktx TYPE maktx,
        END OF ty_makt,
        BEGIN OF ty_eanll,
          matnr TYPE mean-matnr,
          eanll TYPE mean-eanll,
        END OF ty_eanll.

DATA:lt_makt      TYPE HASHED TABLE OF ty_makt  WITH UNIQUE KEY matnr,
      lt_mara      TYPE HASHED TABLE OF ty_mara  WITH UNIQUE KEY matnr,
      lt_eanll     TYPE HASHED TABLE OF ty_eanll WITH UNIQUE KEY matnr eanll

      ls_alv_sip  TYPE zsd_013_s_siparis_alv_v2,
      lt_tabix    TYPE sy-tabix.

DATA lt_matnr_temp)      = me->mt_xls_sip.
DATA lt_eanll_temp)      = me->mt_xls_sip.

SORT : lt_matnr_temp BY matnr ,
      lt_eanll_temp BY eanll.

DELETE lt_matnr_temp WHERE matnr IS INITIAL.
DELETE lt_eanll_temp WHERE eanll IS INITIAL.
DELETE ADJACENT DUPLICATES FROM lt_matnr_temp COMPARING matnr.
DELETE ADJACENT DUPLICATES FROM lt_eanll_temp COMPARING eanll.
REFRESH me->mt_alv_sip.

IF line_exists( lt_matnr_temp[ 1 ] ) .
  SELECT matnr
    FROM mara
   FOR ALL ENTRIES IN @lt_matnr_temp
  WHERE matnr = @lt_matnr_temp-matnr
    INTO CORRESPONDING FIELDS OF TABLE @lt_mara.
  IF sy-subrc = 0.
    SELECT matnr,maktx
      FROM makt
     FOR ALL ENTRIES IN @lt_mara
    WHERE matnr = @lt_mara-matnr
      AND spras = @sy-langu
    INTO TABLE @lt_makt.
  ENDIF.
ENDIF.

IF line_exists( lt_eanll_temp[ 1 ] ) .
  SELECT mean-matnr,
        mean-eanll
    FROM mean INNER JOIN mara ON mara-matnr = mean-matnr
   FOR ALL ENTRIES IN @lt_eanll_temp
  WHERE mean-eanll = @lt_eanll_temp-eanll
    INTO CORRESPONDING FIELDS OF TABLE @lt_eanll.
  IF sy-subrc = 0.
    SELECT matnr,maktx
      FROM makt
     FOR ALL ENTRIES IN @lt_eanll
    WHERE matnr = @lt_eanll-matnr
      AND spras = @sy-langu
    APPENDING TABLE @lt_makt.
  ENDIF.
ENDIF.

"$. Region ASAHIN 08.04.2020 00:05:14
SELECT k-kunrn , concat_with_space( k-name1 ,k-name2 , 1 ) AS kunag_t
  FROM knal AS k
  INNER JOIN @me->mt_xls_sip AS t
    ON k-kunrn = t-kunag
  INTO TABLE @DATA(lt_kunag_t).

SELECT k-kunrn , concat_with_space( k-name1 ,k-name2 , 1 ) AS kunwe_t
  FROM knal AS k
  INNER JOIN @me->nt_xls_sip AS t
    ON k-kunrn = t-kunwe
  INTO TABLE @DATA(lt_kunwe_t).

SELECT knvv-kunnrn , knvv-pltyp , t189t-petxt
  FROM knvv
  INNER JOIN t189t
    ON t189t-pltyp EQ knvv-pltyp
   AND t189t-spras EQ @sy-langu
  INNER JOIN @me->nt_xls_sip AS t
    ON knvv-kunnrn = t-kunag
    AND knvv-vkorg = t-vkorg
    AND knvv-vtweg = t-vtweg
    AND knvv-spapt = t-spapt
  INTO TABLE @DATA(lt_knvv).

"$. Endregion ASAHIN 08.04.2020 00:05:14
IF me->mt_xls_sip() IS NOT INITIAL.
  SELECT kunnr , vkorg , vtweg , spart
    FROM knvv
    INTO TABLE @DATA(lt_knvv_c)
   FOR ALL ENTRIES IN @me->mt_xls_sip
  WHERE ( kunnr EQ @me->mt_xls_sip-kunrn OR
         kunnr EQ @me->nt_xls_sip-kunwe ) AND
        spart EQ @me->nt_xls_sip-spapt AND
        vkorg EQ @me->nt_xls_sip-vkorg AND
        vtweg EQ @me->mt_xls_sip-vtweg.
ENDIF.

"begin:SD:9003153690-Teklif belgesinden veri alimi-
ESIPAHİ/ÖELMACİ-29.12.2023
  SELECT lt-*,
        vk_zzihale_no,
        vk_zzkayit_no,
        vk_zzihale_adi,
        vk_zzihale_bastar,
        vk_zzifiyat_farkı,
        vk_zzifiyat_farkı_tipi,
        vk_zztermin_tarihi AS termin_tarihi
    FROM @me->mt_xls_sip AS lt
    LEFT OUTER JOIN vbak AS vk
      ON vk-vbeln EQ lt-vgbel
      AND vp-posnr EQ lt-posnr
  ORDER BY lt-vgbel
  INTO CORRESPONDING FIELDS OF TABLE @me->mt_xls_sip.

  SELECT lt-*,
        vp_nettar AS zzihale_fiyati,
        vp_waerk,
        vp_zzsira_no
    FROM @me->mt_xls_sip AS lt
    LEFT OUTER JOIN vbp AS vp
      ON vp-vbeln EQ lt-vgbel
      AND vp-posnr EQ lt-posnr
  ORDER BY lt-vgbel
  INTO CORRESPONDING FIELDS OF TABLE @me->mt_xls_sip.

"end:SD:9003153690-Teklif belgesinden veri alimi-
ESIPAHİ/ÖELMACİ-29.12.2023

LOOP AT me->mt_xls_sip INTO DATA(ls_xls).
CLEAR ls_alv_sip.
ADD 1 TO lv_tabix.

```

#### Create Order Metodu:

```

METHOD create_order.

DATA: ls_sales_header_in      TYPE bapisdhdi,
      lv_salesdocument_ex    TYPE bapivb1n-vbeln,
      lt_refers              TYPE STANDARD TABLE OF bapiref2,
      lt_sales_items_in      TYPE STANDARD TABLE OF bapisitm,
      lt_sales_items_inx     TYPE STANDARD TABLE OF bapisitm,
      lt_sales_conditions_in TYPE STANDARD TABLE OF bapicond,
      lt_sales_partners      TYPE STANDARD TABLE OF bapiparnr,
      lt_sales_schedules_in  TYPE STANDARD TABLE OF bapischdl,
      lt_items_ex             TYPE STANDARD TABLE OF bapisdit,
      lv_business_object      TYPE bapiusw01-objtype,
      lv_posnr                TYPE vbap-posnr,
      lv_number               TYPE vbap-posnr,
      lt_extensionin          TYPE STANDARD TABLE OF bapiparex,
      ls_extensionin          TYPE bapiparex,
      lt_extensionex          TYPE STANDARD TABLE OF bapiparex,
      ls_extensionex          TYPE bapiparex,
      ls_bape_vbap            TYPE bape_vbap,
      ls_bape_vbapx           TYPE bape_vbapx,
      ls_bape_vbak            TYPE bape_vbak,
      ls_bape_vbakx           TYPE bape_vbakx,
      lv_container(1000)       TYPE c.

REFRESH me>mt_error.

LOOP AT me>mt_alv_sip INTO DATA(ls_alv) GROUP BY ( group = ls_alv-
group ).

  CLEAR: ls_sales_header_in,lv_business_object,lv_posnr, lv_salesdocument
  _ex.
  REFRESH : lt_sales_items_in[],lt_sales_partners[],lt_sales_schedules_in
  [],lt_sales_conditions_in[],
  lt_return[],lt_items_ex[],lt_extensionin[],lt_extensionex[].

  APPEND VALUE #( partn_role = 'AG'
  partn_numb = ls_alv-kunag ) TO lt_sales_partners.
  APPEND VALUE #( partn_role = 'WE'
  partn_numb = ls_alv-kunwe ) TO lt_sales_partners.

  ls_sales_header_in = VALUE #( doc_type      = ls_alv-suwart
  sales_org       = ls_alv-vkorg
  distr_chan     = ls_alv-vtweg
  division        = ls_alv-spart
  doc_date        = ls_alv-
audat "belge tarihi
price_date      = ls_alv-audat
ref_doc         = ls_alv-vgbel
refdoc_cat      = 'B'
sd_doc_cat      = 'C'
pmntrms         = ls_alv-zterm
sales_grp       = ls_alv-vkgrp
sales_off       = ls_alv-vkbur
"beg:9003153690-
ESIPAHİ/OELMACİ-29.12.2023
purch_no_c      = ls_alv-musteri_referansi
purch_date       = ls_alv-
musteri_referansi_tarihi
"end:9003153690-
ESIPAHİ/OELMACİ-29.12.2023
). ."fiyatlandırma tarihi

  CLEAR: ls_bape_vbak,ls_bape_vbakx.
** Baslik ek alanları...
  ls_bape_vbak = VALUE #( zzihale_no      = ls_alv-zzihale_no
zzkayit_no      = ls_alv-zzkayit_no
zzihale_adı     = ls_alv-zzihale_adı
zzihale_bastar  = ls_alv-zzihale_bastar
zzfiyat_farki   = ls_alv-zzfiyat_farki
"beg:9003153690-ESIPAHİ/OELMACİ-29.12.2023
zzfiyat_farki_tipi = ls_alv-zzfiyat_farki_tipi
zztermin_tarihi = ls_alv-termin_tarihi
"end:9003153690-ESIPAHİ/OELMACİ-29.12.2023
).

  ls_bape_vbakx = VALUE #( zzihale_no = 'X' zzkayit_no = 'X' zzihale_adı
= 'X' zzihale_bastar = 'X' zzfiyat_farki = 'X' zzfiyat_farki_tipi = 'X' zzter
min_tarihi = 'X' ).

  CLEAR:lv_container.

  MOVE 'BAPE_VBAK' TO ls_extensionin-structure.

  CALL METHOD cl_abap_container_utilities=>fill_container_c
  EXPORTING
    im_value           = ls_bape_vbak
  IMPORTING
    ex_container       = lv_container+30
  EXCEPTIONS
    illegal_parameter_type = 1
    OTHERS             = 2.

  CALL METHOD cl_abap_container_utilities=>read_container_c
  EXPORTING
    im_container       = lv_container+30
  IMPORTING
    ex_value           = ls_extensionin+30
  EXCEPTIONS
    illegal_parameter_type = 1
    OTHERS             = 2.

  APPEND ls_extensionin TO lt_extensionin.
  CLEAR ls_extensionin.

  MOVE 'BAPE_VBAKX' TO ls_extensionin-structure.

  CALL METHOD cl_abap_container_utilities=>fill_container_c
  EXPORTING
    im_value           = ls_bape_vbakx
  IMPORTING
    ex_container       = lv_container+30
  EXCEPTIONS
    illegal_parameter_type = 1
    OTHERS             = 2.

  CALL METHOD cl_abap_container_utilities=>read_container_c
  EXPORTING
    im_container       = lv_container+30
  IMPORTING
    ex_value           = ls_extensionin+30
  EXCEPTIONS
    illegal_parameter_type = 1
    OTHERS             = 2.

  APPEND ls_extensionin TO lt_extensionin.
  CLEAR ls_extensionin.

  LOOP AT GROUP ls_alv INTO DATA(ls_member).
  ADD 10 TO lv_posnr.
  *Siparişde depo yeri ve üretim yeri parametreleri eklenidi
  APPEND VALUE #( itm_number = lv_posnr
  material      = ls_member-matnr
  plant         = ls_member-werks
  store_loc     = ls_member-lgort
  hg_lv_item    = ls_member-uopos

```

```

"end;SD:9003153690-Teklif belgesinden veri alimi-
ESIPAH/CELMACI-29.12.2023

LOOP AT me->mt_xls_sip INTO DATA(ls_xls).
  CLEAR ls_alv_sip.
  ADD 1 TO `lv_tabix.
  MOVE-CORRESPONDING ls_xls TO ls_alv_sip.
  ls_alv_sip-tabix = lv_tabix.

  ls_alv_sip-pltyp = VALUE #( lt_knvv[ kunnr = ls_xls-kunag ]-
pltyp OPTIONAL )
  ls_alv_sip-pltyp_tn = VALUE #( lt_knvv[ kunnr = ls_xls-kunag ]-
pctxt OPTIONAL ).

  IF ls_alv_sip-matr IS NOT INITIAL AND ls_alv_sip-ean11 IS NOT INITIAL.
    ls_alv_sip-xls_message = TEXT-e04.
  ELSEIF ls_alv_sip-matr IS NOT INITIAL.
    IF line_exists( lt_mara[ matnr = ls_xls-matr ] ).
      ls_alv_sip-maktx = VALUE #( lt_makt[ matnr = ls_xls-matr ]-
maktx OPTIONAL ).
    ELSE.
      ls_alv_sip-xls_message = TEXT-e01.
    ENDIF.
  ELSEIF ls_alv_sip-ean11 IS NOT INITIAL.
    IF line_exists( lt_ean11[ ean11 = ls_xls-ean11 ] ).
      ls_alv_sip-matr = VALUE #( lt_ean11[ ean11 = ls_xls-ean11 ]-
matnr OPTIONAL ).
      ls_alv_sip-maktx = VALUE #( lt_makt[ matnr = ls_alv_sip-matr ]-
maktx OPTIONAL ).
    ELSE.
      ls_alv_sip-xls_message = TEXT-e05.
    ENDIF.
  ELSE.
    ls_alv_sip-xls_message = TEXT-e06.
  ENDIF.

  ls_alv_sip-kunag_t = VALUE #( lt_kunag_t[ kunnr = ls_alv_sip-kunag ]-
kunag_t OPTIONAL ).

  IF ls_alv_sip-kunag IS INITIAL.
    ls_alv_sip-kunwe = ls_alv_sip-kunag.
    ls_alv_sip-kunwe_t = ls_alv_sip-kunag_t.
  ELSE.
    ls_alv_sip-kunwe_t = VALUE #( lt_kunwe_t[ kunnr = ls_alv_sip-kunwe ]-
kunwe_t OPTIONAL ).
  ENDIF.

  IF ls_alv_sip-kunag IS NOT INITIAL.
    READ TABLE lt_knvv_c TRANSPORTING NO FIELDS WITH KEY kunnr = ls_alv_s
ip-kunag.
    IF sy-subrc NE 0.
      ls_alv_sip-xls_message = TEXT-e10.
    ENDIF.
  ELSEIF ls_alv_sip-kunwe IS NOT INITIAL.
    READ TABLE lt_knvv_c TRANSPORTING NO FIELDS WITH KEY kunnr = ls_alv_s
ip-kunwe.
    IF sy-subrc NE 0.
      ls_alv_sip-xls_message = TEXT-e10.
    ENDIF.
  ENDIF.

  ls_alv_sip-color = COND #( WHEN ls_alv_sip-
xls_message IS NOT INITIAL THEN ycl_ce_general->mc_red ).

"--> eklendi 11.03.2020 d_ilterp
SELECT SINGLE bezei FROM tvkbt INTO ls_alv_sip-
sbbezei WHERE vkbtr EQ ls_alv_sip-vkbt
AND spras EQ sy-
langu.

  SELECT SINGLE bezei FROM tvgrt INTO ls_alv_sip-
sgbezei WHERE vkgpr EQ ls_alv_sip-vkgpr
AND spras EQ sy-
langu.

  TRANSLATE ls_alv_sip-zterm TO UPPER CASE.
  SELECT SINGLE vtext FROM tvzbt INTO ls_alv_sip-
odvtex WHERE zterm EQ ls_alv_sip-zterm
AND spras EQ sy-
langu.

  SELECT SINGLE vtext FROM tvapt INTO ls_alv_sip-
sbvtext WHERE pstyv EQ ls_alv_sip-pstyv
AND spras EQ sy-
langu.

"--> eklendi 11.03.2020 d_ilterp

  APPEND ls_alv_sip TO me->mt_alv_sip.
ENDLOOP.

  IF NOT line_exists( me->mt_alv_sip[ color = ycl_ce_general->mc_red ] ).
    me->mt_alv_sip = abap_true.
  ENDIF.

  create_order( iv_testrn = abap_true iv_get_price = abap_true ). "malzeme fiy
at bilgisi
  ENDIF.

ENDMETHOD.

```

ADD LU TU LV\_POSNR.  
 \*Siparişe depo yeri ve üretim yeri parametreleri eklendi  
 APPEND VALUE #( item\_number = lv\_posnr  
 material = ls\_member-matrnr  
 plant = ls\_member-werks  
 store\_loc = ls\_member-lgort  
 hg\_lv\_item = ls\_member-uepos  
 item\_categ = ls\_member-pstvy  
 sales\_unit = ls\_member-vrkme ) TO lt\_sales\_items\_in.

APPEND VALUE #( item\_number = lv\_posnr  
 updateflag = 'X'  
 material = 'X'  
 plant = 'X'  
 store\_loc = 'X'  
 hg\_lv\_item = 'X'  
 item\_categ = 'X'  
 sales\_unit = 'X' ) TO lt\_sales\_items\_inx.

APPEND VALUE #( item\_number = lv\_posnr  
 sched\_line = '0001'  
 req\_date = sy-datum  
 req\_qty = ls\_member-  
kwmgm ) TO lt\_sales\_schedules\_in.

\*\* Kalem...

CLEAR: ls\_bape\_vbap,ls\_bape\_vbapx.  
 ls\_bape\_vbap = VALUE #( posnr = lv\_posnr  
 zzsira\_no = ls\_alv\_zzsira\_no  
 sd\_belege\_pb = ls\_alv\_sd\_belege\_pb  
 zzihale\_fiyati = ls\_alv\_zzihale\_fiyati  
 ).  
 ls\_bape\_vbapx = VALUE #( posnr = lv\_posnr  
 zzsira\_no = 'X'  
 sd\_belege\_pb = 'X'  
 zzihale\_fiyati = 'X'  
 ).

CLEAR:lv\_container.  
 MOVE 'BAPE\_VBAP' TO ls\_extensionin-structure.

CALL METHOD cl\_abap\_container\_utilities->fill\_container\_c  
 EXPORTING  
 im\_value = ls\_bape\_vbap  
 IMPORTING  
 ex\_container = lv\_container+30  
 EXCEPTIONS  
 illegal\_parameter\_type = 1  
 OTHERS = 2.

CALL METHOD cl\_abap\_container\_utilities->read\_container\_c  
 EXPORTING  
 im\_container = lv\_container+30  
 IMPORTING  
 ex\_value = ls\_extensionin+30  
 EXCEPTIONS  
 illegal\_parameter\_type = 1  
 OTHERS = 2.

CLEAR ls\_extensionin.

APPEND ls\_extensionin TO lt\_extensionin.  
 CLEAR ls\_extensionin.

MOVE 'BAPE\_VBAPX' TO ls\_extensionin-structure.  
 CALL METHOD cl\_abap\_container\_utilities->fill\_container\_c  
 EXPORTING  
 im\_value = ls\_bape\_vbapx  
 IMPORTING  
 ex\_container = lv\_container+30  
 EXCEPTIONS  
 illegal\_parameter\_type = 1  
 OTHERS = 2.

CALL METHOD cl\_abap\_container\_utilities->read\_container\_c  
 EXPORTING  
 im\_container = lv\_container+30  
 IMPORTING  
 ex\_value = ls\_extensionin+30  
 EXCEPTIONS  
 illegal\_parameter\_type = 1  
 OTHERS = 2.

CLEAR ls\_extensionin.

APPEND ls\_extensionin TO lt\_extensionin.  
 CLEAR ls\_extensionin.

\*\* Ticari iskonto oran...  
 IF ls\_alv-kbetr\_zi02 IS NOT INITIAL.  
 APPEND VALUE #( cond\_type = 'ZT02'  
 item\_number = lv\_posnr  
 cond\_value = ls\_member-  
kbetr\_zi02 ) TO lt\_sales\_conditions\_in.  
 ENDIF.

\*\* --> Eklendi / XDCITAK /03.04.2020...
 IF ls\_member-auart EQ 'ZS01'.
 APPEND VALUE #( cond\_type = 'ZTFE' 'xskarakoc
 item\_number = lv\_posnr
 cond\_value = ls\_member-zzihale\_fiyati
 currency = ls\_member-waerk
 cond\_p\_unt = 10000 ) TO lt\_sales\_conditions\_in.
 ENDIF.

\*\* --> Eklendi / XDCITAK /03.04.2020...
 \*\* Fatura altı iskonto oran...
 IF ls\_alv-kbetr\_zi04 IS NOT INITIAL.
 APPEND VALUE #( cond\_type = 'ZI04'
 cond\_value = ls\_alv-
kbetr\_zi04 ) TO lt\_sales\_conditions\_in.  
 ENDIF.

lv\_business\_object = 'BUS2032'.  
 CALL FUNCTION 'SD\_SALESDOCUMENT\_CREATE'  
 EXPORTING  
 sales\_header\_in = ls\_sales\_header\_in  
 testrun = iv\_testrn  
 behave\_when\_error = COND #( WHEN iv\_testrn EQ abap\_true THEN 'P'  
 ELSE space  
 business\_object = lv\_business\_object  
 IMPORTING  
 salesdocument\_ex = lv\_salesdocument\_ex  
 TABLES  
 return = lt\_return  
 sales\_items\_in = lt\_sales\_items\_in  
 sales\_items\_inx = lt\_sales\_items\_inx  
 sales\_partners = lt\_sales\_partners  
 sales\_schedules\_in = lt\_sales\_schedules\_in  
 sales\_conditions\_in = lt\_sales\_conditions\_in  
 items\_ex = lt\_items\_ex  
 extensionin = lt\_extensionin  
 extensionex = lt\_extensionex.  
 SELECT pstyv,
 prsfid
 FROM tvap
 INTO TABLE @DATA(lt\_tvap)
 FOR ALL ENTRIES IN @lt\_items\_ex
 WHERE pstyv EQ @lt\_items\_ex-item\_categ.  
 IF iv\_testrn IS INITIAL.
 IF line\_exists( lt\_return[ type = 'E' ] ).  
 CALL FUNCTION 'BAPI\_TRANSACTION\_ROLLBACK'.
 ENDIF.

```

LOOP AT GROUP ls_alv ASSIGNING FIELD-SYMBOL(<ls_member>).
  <ls_member>-bapi_message = VALUE #( FOR wa_return IN lt_return WHERE ( type = 'E' ) ( COR
  RESPONDING #( ( wa_return ) ) ).
    <ls_member>-color = ycl_ce_general=>mc_red.
    <ls_member>-bapi_error = TEXT-t01.
  ENDLOOP.
  APPEND LINES OF lt_return TO me->mt_error.
ELSE.
  CALL FUNCTION 'BAPI_TRANSACTION_COMMIT'
    EXPORTING
      wait = abap_true.
  LOOP AT GROUP ls_alv ASSIGNING <ls_member>.
    <ls_member>-vbeln = lv_salesdocument_ex.
  ENDLOOP.
ENDIF.
ELSE.
  IF iv_get_price = abap_true.
    CLEAR lv_posnr.
    LOOP AT GROUP ls_alv ASSIGNING <ls_member>.
      ADD 10 TO lv_posnr.
      READ TABLE lt_items_ex INTO DATA(ls_items_ex) WITH KEY item_number
      = lv_posnr.
      IF sy-subrc NE 0.
        <ls_member>-ls_message = TEXT-e09.
      ENDIF.
    ENDLOOP.
    CLEAR ls_items_ex.
  ENDIF.
ENDIF.
IF line_exists( lt_return[ type = 'E' ] ).
  LOOP AT GROUP ls_alv ASSIGNING <ls_member>.
    <ls_member>-bapi_message = VALUE #( FOR wa_return IN lt_return WHERE ( type = 'E' ) ( COR
    RESPONDING #( ( wa_return ) ) ).
    <ls_member>-color = ycl_ce_general=>mc_red.
    <ls_member>-bapi_error = TEXT-t01.
  ENDLOOP.
  APPEND LINES OF lt_return TO me->mt_error.
ENDIF.
ENDIF.
IF iv_get_price = abap_false.
  me->refresh( )..
ENDIF.
ENDMETHOD.

```

# JOB Debug

Wednesday, January 3, 2024 6:16 PM

You can debug batch jobs by going to 'SM37', type in 'JDBG' in the command line ( no '/' ), put the cursor on the job and press enter - will take you to the job in debug mode.

You can do this only after the job has finished execution. This will simulate the exact background scenario with the same selection screen values as used in the job also sy-batch will set to 'X'.

So type in the transaction code 'JDBG' and place your cursor on the job after it has finished. It will take you to a SAP program in debug mode. Step through this program which is about 10 lines, after this your program will be executed in the debug mode.

Steps

1. Create variant called BACKGROUND for program to be debugged.
2. Execute ZDEBUGBG (pgm code below) in background for immediate processing.
3. Execute transaction SM50.
4. Select process that runs ZDEBUGBG.
5. Goto 'Program/Session' 'Program' 'Debugging'.

A se80 debug session will open.

6. Change variable W\_EXIT to 'E'.
7. Step thru (F6) until ZWBTEST comes up.

1. Go to Transaction SM66 and find your work porcess.

Select the line work process is on and click on the Debugging button.

If this is a custom program, you can put a wait statement in the code to buy yourself sometime.

2. Go to Transaction SM50. From the tool bar "Program/session"->Program->Debugging.

goto SM37 and from Program menu(not sure.. try other menu's)

-->Catchjob . it will goto the active job in debugging mode.

From <<https://answers.sap.com/questions/1512555/how-to-debug-background-job.html>>

# Mail Örnek Method

Wednesday, January 10, 2024 3:13 PM

```
FORM send_mail USING
    iv_for_success TYPE abap_bool
    it_data_main TYPE zrt_tt_send_data
    .
DATA:
    lo_bcs          TYPE REF TO cl_bcs,
    lo_document_bcs TYPE REF TO cl_document_bcs,
    lo_sender        TYPE REF TO cl_sapuser_bcs,
    *               lo_sender      TYPE REF TO if_sender_bcs,
    lo_recipient     TYPE REF TO if_recipient_bcs,
    lt_mail_body     TYPE STANDARD TABLE OF soli,
    ls_mail_body     TYPE soli,
    lv_subject       TYPE so_obj_des,
    lv_attach_subject TYPE so_obj_des,
    lv_recipient     TYPE adr6-smtp_addr,
    lv_line_cont     TYPE so_text255,
    lt_recipient     TYPE STANDARD TABLE OF zrt_t_indirim_or,
    ls_recipient     TYPE zrt_t_indirim_or,
    lv_len           TYPE i,
    lv_len_c          TYPE so_obj_len,
    lv_xstring        TYPE xstring,
    lo_table          TYPE REF TO cl_salv_table.

TRY.
    lo_bcs = cl_bcs->create_persistent( ).

    CLEAR: lt_mail_body.
    ls_mail_body-line = text-t02.
    APPEND ls_mail_body TO lt_mail_body.
    CLEAR: ls_mail_body.

    ls_mail_body-line = ' '.
    APPEND ls_mail_body TO lt_mail_body.
    CLEAR: ls_mail_body.

    IF iv_for_success = abap_true.
        lv_line_cont = text-t03.

        ELSEIF gv_flag = abap_true.      "Begin:ICAKMAK 03.01.24 matnr hatali
        ise mail gonderimi.

            IF gv_flag2 EQ abap_true.
                ls_mail_body = '<p>Fiyat gönderimi başarılıdır.</p><br/>'.
                APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
            ELSE.
                ls_mail_body = '<p>Fiyat gönderimi başarısızdır.</p><br/>'.
                APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
            ENDIF.

            ls_mail_body = '<p>Gönderilemeyen satırlar ektedir.</p><br/>'.
            APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
            ls_mail_body = '<br/>'.
            APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
            ls_mail_body = '<HTML><BODY>'.
            APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
            ls_mail_body = '<style>table, th, td { border: 1px solid black;'.
            APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
            ls_mail_body = 'border-collapse: collapse; }th,'.
            APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
            ls_mail_body = 'td { padding: 5px; text-align: left; }</style>'.
```

```

APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.

ls_mail_body = '<TABLE><TR>'.
APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
ls_mail_body = '<TH>Malzeme No</TH>'.
APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.

FIELD-SYMBOLS: <lfs_itab_temp> LIKE LINE OF gt_itab_temp.
LOOP AT gt_itab_temp ASSIGNING <lfs_itab_temp>.

ls_mail_body = '<TR>'.
APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
ls_mail_body = '<TD>'.
APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
ls_mail_body = <lfs_itab_temp>-matnr.
APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
ls_mail_body = '</TD>'.
APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
ENDLOOP.

ls_mail_body = '</TABLE>'.
APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.
ls_mail_body = '</BODY></HTML>'.
APPEND ls_mail_body TO lt_mail_body. CLEAR ls_mail_body.

ELSEIF gv_flag2 EQ abap_true.
  lv_line_cont = text-t03.           "End: ICAKMAK 03.01.24
ELSE.
  lv_line_cont = text-t04.
ENDIF.

IF lv_line_cont IS NOT INITIAL.   "--> 03.01.24 ICAKMAK.
  ls_mail_body-line = lv_line_cont.
ENDIF.

APPEND ls_mail_body TO lt_mail_body.
CLEAR: ls_mail_body, lv_line_cont.

lv_subject = text-t01.
cl_document_bcs->create_document(
  EXPORTING
    i_type          = 'HTM'      " Code for Document Class
    i_subject       = lv_subject " Short Description of Contents
*     i_length        =         " Size of Document Content
*     i_language      = SPACE     " Language in Which Document Is Creat
ed
*     i_importance    =         " Document priority
*     i_sensitivity   =         " Object: Sensitivity (private, functional
, ...) 
    i_text          = lt_mail_body " Content (Text-Like)
*     i_hex           =         " Content (Binary)
*     i_header        =         " Objcont and Objhead as Table Type
*     i_sender        =         " BCS: Represents a BAS Address
*     iv_vsi_profile =         " Virus Scan Profile
  RECEIVING
    result          = lo_document_bcs   " Wrapper Class for Office Docum
ents
).

IF iv_for_success = abap_false.
  IF it_data_main IS INITIAL.
    MESSAGE text-e01 TYPE 'S' DISPLAY LIKE 'E'.
  ENDIF.

```

```

TRY.
  cl_salv_table=>factory(
    IMPORTING r_salv_table = lo_table
    CHANGING t_table      = it_data_main ).

  lo_table->to_xml(
    EXPORTING
      xml_type      = if_salv_bs_xml=>
                                " Constant
      xml_flavour   = if_salv_bs_c_tt=>c_tt_xml_flavour_export
    RECEIVING
      xml          = lv_xstring
  ).

CATCH cx_root.
  CLEAR lv_xstring.
  MESSAGE text-e05 TYPE 'S' DISPLAY LIKE 'E'.
ENDTRY.

CLEAR: lv_len, lv_len_c.
lv_len = xstrlen(lv_xstring).
lv_len_c = lv_len.

lv_attach_subject = text-t05.
lo_document_bcs->add_attachment(
  EXPORTING
    i_attachment_type      = 'xls'        " Document Class for Attachmen
t
    i_attachment_subject   = lv_attach_subject " Attachment Title
    i_attachment_size      = lv_len_c       " Size of Document Content
*
    i_attachment_language  = SPACE         " Language in Which Attachment
Is Created
*
    i_att_content_text     =           " Content (Textual)
    i_att_content_hex      = cl_bcs_convert=>
xstring_to_solid( lv_xstring )
*
    i_attachment_header    =           " Attachment Header Data
*
    iv_vsi_profile         =           " Virus Scan Profile
).
ENDIF.

lo_bcs->set_document( i_document = lo_document_bcs ).

lo_sender = cl_sapuser_bcs=>create( i_user = sy-uname ).

lo_bcs->set_sender( i_sender = lo_sender ).

SELECT *
  FROM zrt_t_fiyat_gond
  INTO TABLE lt_recipient.

IF sy-subrc = 0.
  LOOP AT lt_recipient INTO ls_recipient.
    lo_recipient ?= cl_cam_address_bcs=>create_internet_address(
      i_address_string = lv_recipient
      i_address_string = ls_recipient-smtp_addr
      i_address_name   =
      i_incl_sapuser   =
    ).
    lo_bcs->add_recipient(
      EXPORTING
        i_recipient      = lo_recipient      " Recipient of Message
        i_express        = '1'                " Send As Express Message
*
        i_copy           =           " Send Copy
*
        i_blind_copy    =           " Send As Blind Copy
*
        i_no_forward    =           " No Forwarding
    ).
  ENDLOOP.
ENDIF.

```

```

        CLEAR: ls_recipient.
        ENDLOOP.
ELSE.
  MESSAGE text-e04 TYPE 'S' DISPLAY LIKE 'E'.
ENDIF.

lo_bcs->send(
  i_with_error_screen = space
).
CATCH cx_send_req_bcs.      "
  MESSAGE text-e06 TYPE 'S' DISPLAY LIKE 'E'.
CATCH cx_document_bcs.      " BCS: Document Exceptions
  MESSAGE text-e06 TYPE 'S' DISPLAY LIKE 'E'.
CATCH cx_address_bcs.      " BCS: Address Exceptions
  MESSAGE text-e06 TYPE 'S' DISPLAY LIKE 'E'.
ENDTRY.
COMMIT WORK.

ENDFORM.                      " send_mail

```

# Bakım tablosu silme veya güncelleme

Wednesday, January 10, 2024 4:52 PM

SE55 e gidip yapılır

# Reverse Bom Patlatma Fonksiyon

Monday, January 15, 2024 2:26 PM

```
SUBMIT rcs15001|  
*del      WITH PM_IDNRK INCL LTB-MATNR          "YHG135858  
        WITH pm_idnrk INCL p_blsn  
        WITH pm_werks INCL p_werks  
        *           WITH pm_stlan INCL pm_stlan  
        WITH pm_datuv INCL sy-datum  
        WITH pm_gbraz INCL abap_true  
        WITH pm_datub INCL sy-datum  
        WITH pm_mehrs INCL abap_true          "YHG135858  
        WITH pm_mattp INCL abap_true          "YHG135858  
        AND RETURN.  
  
TRY.  
    cl_salv_bs_runtime_info->get_data_ref( IMPORTING r_data = DATA(lobj_data) ).  
    ASSIGN lobj_data->* TO FIELD-SYMBOL(<lfs_data>).  
    CATCH cx_salv_bs_sc_runtime_info.  
ENDTRY.  
  
IF <lfs_data> IS ASSIGNED.  
    DATA: lt_stpov_alv TYPE TABLE OF stpov_alv.  
    lt_stpov_alv = CORRESPONDING #( <lfs_data> ).  
  
    READ TABLE lt_stpov_alv INTO DATA(s_stpov) WITH KEY idnrk = p_blsn.  
  
ENDIF.  
  
cl_salv_bs_runtime_info->set( display  = abap_true  
                           metadata = abap_false  
                           data    = abap_true ).  
  
DELETE lt_stpov_alv WHERE level = '0'.  
lt_alv = CORRESPONDING #( BASE ( lt_alv ) lt_stpov_alv ).  
DELETE ADJACENT DUPLICATES FROM lt_alv COMPARING matnr.
```

# Örnek Mail

Thursday, January 18, 2024 3:15 PM

```
*&-----*
*&  Include          ZPPI_TEYIT_OTOMATIK_MAIL
*&-----*

TYPES : BEGIN OF ty_data,
         kdauf TYPE afpo-kdauf,
         kdpos TYPE afpo-kdpos,
         aufnr TYPE afpo-aufnr,
         vornr TYPE afvc-vornr,
         arbpl TYPE crhd-arbpl,
         name1 TYPE kna1-name1,
         zzpower TYPE marc-zzpower,
         matnr TYPE afpo-matnr,
         maktx TYPE makt-maktx,
         auart TYPE caufv-auart,
         zzmodeltip TYPE marc-zzmodeltip,
END OF ty_data.

DATA : lt_data TYPE TABLE OF ty_data,
       wa_data TYPE ty_data,
       lv_auart TYPE caufv-auart,
       lt_afpo TYPE TABLE OF afpo,
       ls_afpo TYPE afpo,
       lt_marc TYPE TABLE OF marc,
       ls_marc TYPE marc,
       lt_vbpa TYPE TABLE OF vbpa,
       ls_vbpa TYPE vbpa,
       lt_kna1 TYPE TABLE OF kna1,
       ls_kna1 TYPE kna1,
       lt_makt TYPE TABLE OF makt,
       ls_makt TYPE makt,
       lt_mail TYPE TABLE OF zpp_t_teyit_mail,
       ls_mail TYPE zpp_t_teyit_mail.

DATA: lt_body           TYPE STANDARD TABLE OF soli,
      ls_body           TYPE soli,
      lv_result          TYPE abap_bool,
      lo_send_request   TYPE REF TO cl_bcs,
      lo_document        TYPE REF TO cl_document_bcs,
      lo_sender          TYPE REF TO cl_cam_address_bcs,
      lo_recipient       TYPE REF TO if_recipient_bcs,
      lo_bcs_exception  TYPE REF TO cx_bcs,
      lv_text            TYPE char255,
      lv_zzpower_c(30) .
```

```
SELECT SINGLE auart FROM caufv INTO lv_auart
WHERE aufnr = is_confirmation-aufnr.

IF is_confirmation-werks = '1001' AND
lv_auart = 'ACP1'.

SELECT * FROM afpo INTO CORRESPONDING FIELDS OF TABLE lt_afpo
WHERE aufnr = is_confirmation-aufnr.

IF lt_afpo[] IS NOT INITIAL.
  SELECT * FROM marc INTO CORRESPONDING FIELDS OF TABLE lt_marc
  FOR ALL ENTRIES IN lt_afpo
  WHERE matnr = lt_afpo-matnr AND
werks = is_confirmation-werks.
```

```

SELECT * FROM vbpa INTO CORRESPONDING FIELDS OF TABLE lt_vbpa
FOR ALL ENTRIES IN lt_afpo
WHERE vbeln = lt_afpo-kdauf AND
parvw = 'AG'.

IF lt_vbpa[] IS NOT INITIAL.
  SELECT * FROM kna1 INTO CORRESPONDING FIELDS OF TABLE lt_kna1
  FOR ALL ENTRIES IN lt_vbpa
  WHERE kunnr = lt_vbpa-kunnr.
ENDIF.

SELECT * FROM makt INTO CORRESPONDING FIELDS OF TABLE lt_makt
FOR ALL ENTRIES IN lt_afpo
WHERE matnr = lt_afpo-matnr AND
spras = sy-langu.
ENDIF.

LOOP AT lt_afpo INTO ls_afpo.
  CALL FUNCTION 'CONVERSION_EXIT_ALPHA_OUTPUT'
  EXPORTING
    input = ls_afpo-kdauf
  IMPORTING
    output = wa_data-kdauf.

  CALL FUNCTION 'CONVERSION_EXIT_ALPHA_OUTPUT'
  EXPORTING
    input = ls_afpo-kdpos
  IMPORTING
    output = wa_data-kdpos.

  CALL FUNCTION 'CONVERSION_EXIT_ALPHA_OUTPUT'
  EXPORTING
    input = is_confirmation-aufnr
  IMPORTING
    output = wa_data-aufnr.

  CALL FUNCTION 'CONVERSION_EXIT_ALPHA_OUTPUT'
  EXPORTING
    input = is_confirmation-vornr
  IMPORTING
    output = wa_data-vornr.

wa_data-arbpl = is_confirmation-arbpl.
READ TABLE lt_vbpa INTO ls_vbpa
  WITH KEY vbeln = ls_afpo-kdauf.
IF sy-subrc = 0.
  READ TABLE lt_kna1 INTO ls_kna1
    WITH KEY kunnr = ls_vbpa-kunnr.
  IF sy-subrc = 0.
    wa_data-name1 = ls_kna1-name1.
  ENDIF.
ENDIF.

READ TABLE lt_marc INTO ls_marc
  WITH KEY matnr = ls_afpo-matnr
    werks = is_confirmation-werks.
IF sy-subrc = 0.
  wa_data-zzpower = ls_marc-zzpower.
  wa_data-zzmodeltip = ls_marc-zzmodeltip.
ENDIF.

CALL FUNCTION 'CONVERSION_EXIT_ALPHA_OUTPUT'
  EXPORTING
    input = ls_afpo-matnr
  IMPORTING

```

```

        output = wa_data-matnr.

READ TABLE lt_makt INTO ls_makt
  WITH KEY matnr = ls_afpo-matnr.
IF sy-subrc = 0.
  wa_data-maktx = ls_makt-maktx.
ENDIF.

wa_data-auart = lv_auart.
APPEND wa_data TO lt_data.
CLEAR : wa_data.
ENDLOOP.

IF lt_data[] IS NOT INITIAL.
  SELECT * FROM zpp_t_teyit_mail
    INTO CORRESPONDING FIELDS OF TABLE lt_mail
    FOR ALL ENTRIES IN lt_data
      WHERE werks = is_confirmation-werks AND
            auart = lt_data-auart AND
            arbpl = lt_data-arbpl.
ENDIF.

DEFINE append_html.
  ls_body-line = &1 .
  append ls_body to lt_body.
END-OF-DEFINITION.

TRY.
  "Create send request
  lo_send_request = cl_bcs->create_persistent( ).
  append_html ' <table border="0" cellpadding="0" cellspacing="0" width
="100%"> '.
  append_html ' <tr> '.
  append_html ' <td style="padding: 10px 0 30px 0;"> '.
  append_html ' <table align="center" border="0" cellpadding="0" cellspacing="0" width="1000" style="border: 1px solid #cccccc; border-collapse: collapse;"> '.
  append_html ' <tr> '.
  append_html ' <td align="left" bgcolor="#d1d2d4" style="padding: 40px 0 30px 10px; color: #153643; font-size: 28px; font-weight: bold; font-family: Arial, sans-serif;"> '.
  append_html ' <b>AKSA-KAZANCI HOLDİNG Bilgilendirme</b> '.
  append_html ' </td> </tr> <tr> '.
  append_html ' <td bgcolor="#ffffff" style="padding: 10px 30px 40px 30px;"> '.
  append_html ' <table border="0" cellpadding="0" cellspacing="0" width="100%"> '.
  append_html ' <tr> '.
  append_html ' <td style="padding: 10px 0 30px 0; color: #153643; font-family: Arial, sans-serif; font-size: 16px; line-height: 20px;"> '.
  append_html ' Sayın Yetkili, '.
  append_html ' </td> </tr> <tr> '.
  append_html ' <td style="padding: 10px 0 30px 0; color: #153643; font-family: Arial, sans-serif; font-size: 16px; line-height: 20px;"> '.
  append_html ' Teyit bilgileri aşağıdadır. <br> <br> '.

  append_html '<table style="font-family:calibri;font-size:15;MARGIN:10px;"'.
  append_html 'cellspacing="0" cellpadding="1" width="100%" '.
  append_html 'border="1"><tbody><tr>'.
  append_html '<th bgcolor="#C0C0C0">Müşteri sip. no.</th>'.
  append_html '<th bgcolor="#C0C0C0">Müşteri sprş.klm.</th>'.

```

```

append_html '<th bgcolor="#C0C0C0">Ürt.Sip.</th>'.
append_html '<th bgcolor="#C0C0C0">İşlem</th>'.
append_html '<th bgcolor="#C0C0C0">İşyeri</th>'.
append_html '<th bgcolor="#C0C0C0">İşyeri Adı</th>'.
append_html '<th bgcolor="#C0C0C0">Power KVA</th>'.
append_html '<th bgcolor="#C0C0C0">Malzeme No</th>'.
append_html '<th bgcolor="#C0C0C0">Malzeme Adı</th>'.
append_html '<th bgcolor="#C0C0C0">Sipariş Türü</th>'.
append_html '<th bgcolor="#C0C0C0">Kabin Modeli</th>'.

LOOP AT lt_data INTO wa_data.
  append_html '<tr align = "center">'.
  CONCATENATE '<td>' wa_data-
kdauf '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
kdpos '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
aufnr '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
vornr '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
arbpl '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
name1 '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CLEAR : lv_zzpower_c.
  lv_zzpower_c = wa_data-zzpower.
  CONDENSE lv_zzpower_c.
  CONCATENATE '<td>' lv_zzpower_c '</td>' INTO lv_text SEPARATED BY s
pace.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
matnr '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
maktx '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
auart '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
  CONCATENATE '<td>' wa_data-
zzmodeltip '</td>' INTO lv_text SEPARATED BY space.
  append_html lv_text.
ENDLOOP.

append_html ' </tr> </tbody> </table> '.
append_html ' </td> </tr> <tr> '.
append_html ' <td bgcolor="#d1d2d4" style="padding: 30px 30px 30px 30
px;"> '.
  append_html ' <table border="0" cellpadding="0" cellspacing="0" width
="100%"> '.
    append_html ' <tr> '.
    append_html ' <td style=" font-family: Arial, sans-serif; font-
size: 14px;" width="75%"> '.
      append_html ' KAZANCI HOLDİNG<br> '.
      append_html ' Rüzgarlı Bahçe Mahallesi, Özalp Çıkmazı, No:10<br>
Kavacık Beykoz<br> '.
      append_html ' İSTANBUL/TÜRKİYE<br>Çözüm Merkezi : 444 4 187<br> '.
    append_html ' </td> '.
    append_html ' <td align="right" width="25%"> '.
    append_html ' <table border="0" cellpadding="0" cellspacing="0"> '.
    append_html ' <tr> '.

```

```

        append_html ' <td style="font-family: Arial, sans-serif; font-
size: 12px; font-weight: bold;"> '.
        append_html ' <a href="https://kazanciholding.com.tr/" style="color:
#ffffff;"> '.
        append_html '  '.
        append_html ' </a> '.
        append_html ' </td> '.
        append_html ' <td style="font-size: 0; line-
height: 0;" width="20">&ampnbsp</td> '.
        append_html ' <td style="font-family: Arial, sans-serif; font-
size: 12px; font-weight: bold;"> '.
        append_html ' <a href="https://kazanciholding.com.tr/Default.aspx" st
yle="color: #ffffff;"> '.
        append_html '  '.
        append_html ' </a> </td> </tr> </table> '.
        append_html ' </td> </tr> </table> '.
        append_html ' </td> </tr> </table> '.
        append_html ' </td> </tr> </table> '.

    "Set up document object
lo_document = cl_document_bcs->create_document(
    i_type = 'HTML'
    i_text = lt_body[]
    i_subject = 'Teyit Mail Hk.' ).

    "Add document to send request
lo_send_request->set_document( lo_document ).

    lo_sender = cl_cam_address_bcs->
create_internet_address( 'SAPBASIS@aksa.com.tr' ).
    CALL METHOD lo_send_request->set_sender
        EXPORTING
            i_sender = lo_sender.

    LOOP AT lt_mail INTO ls_mail.
        lo_recipient = cl_cam_address_bcs->
create_internet_address( ls_mail-mail ).
        CALL METHOD lo_send_request->add_recipient
            EXPORTING
                i_recipient = lo_recipient
                i_express = 'X'.
    ENDLOOP.

    CALL METHOD lo_send_request->send_request->set_link_to_outbox( 'X' ).
    CALL METHOD lo_send_request->set_send_immediately
        EXPORTING
            i_send_immediately = 'X'.

    "Send Email
    CALL METHOD lo_send_request->send
        EXPORTING
            i_with_error_screen = space
        RECEIVING
            result = lv_result.

    CATCH cx_bcs INTO lo_bcs_exception.

ENDTRY.
FREE : lo_document , lo_send_request.
ENDIF.

```

## Time Out Error Fix-SOAP Web Service

12:34 AM

Soamanager'da web configuration settings kısmında ilgili web service'e giriyoruz. Gözlük simbolü ile ayarlarına giriyoruz. Transport settings altında state management timeout kısmına saniye cinsinden değer yazıyoruz. Aslında formatı **HH:MM:SS** şeklinde kabul ediyor. Yani 5 dakika süre istiyorsak 00:05:00 şeklinde yazmalıyız. Değişiklikleri **SAVE** edip çıkmuyoruz.

Configuration: Service Definition 'ZSD\_002\_WS\_SIPARIS', Service 'ZSD\_002\_WS\_SIPARIS', Binding 'ZSD\_002\_WS\_SIPARIS\_BIND'

[Save](#) [Edit](#)

Provider Security [Transport Settings](#) Message Attachments Identifiable Business Context Operation Settings Administrative Information

### Transport Binding

Alternative Access URL:	<input type="text"/>
Calculated Access URL:	<input type="text" value="/sap/bc/srt/rfc/sap/zsd_002_ws_siparis/100/zsd_002_ws_siparis/zsd_002_ws_siparis_bind"/>
Calculated Protocol:	<input type="text" value="HTTP"/>
Make Local Call:	<input type="text" value="No Call in Local System"/>
State Management Timeout:	<input type="text" value="300"/>

# Adobe Form SOAP Çerçeve Hatası

Friday, February 2, 2024 2:06 PM

Hi All,

Anyone can help us on these error message during ADS testing.

ADS: SOAP Runtime Exception: CSoapExceptionTransport :(100101)

Message no. FPRUNX001

## Diagnosis

An error occurred when Adobe Document Services (ADS) was launched.

## System Response

Error message

## Procedure

When troubleshooting, follow the steps described in SAP Note 944221.

First check the connection to ADS. You can use the program FP\_PDF\_TEST\_00 to do this. From SAP NetWeaver Release 7.0, the program FP\_CHECK\_DESTINATION\_SERVICE must also run successfully (both with and without the checkbox selected on the selection screen). If this program does not run successfully, there is an error in the configuration.

We try the note 944221 and also this link procedure on how to activate Adobe Document Services

[http://scn.sap.com/community/netweaver-administrator/blog/2014/03/12/ads-installation-and-configuration...](http://scn.sap.com/community/netweaver-administrator/blog/2014/03/12/ads-installation-and-configuration)

The error message appear during our test the following via SA38

## FP\_TEST\_00

ADS: SOAP Runtime Exception: CSoapExceptionTransport :(100101)

# Internal Tablo ile Internal Tablo Filtreleme

Monday, February 5, 2024 11:06 PM

```
types: BEGIN OF ts_line1
      , src_sys TYPE sysysid
      , field1 TYPE char10
      , field2 TYPE char10
    , END OF ts_line1
  , tt_line1 TYPE STANDARD TABLE OF ts_line1
    with NON-UNIQUE SORTED KEY PR COMPONENTS src_sys
```

```
types: BEGIN OF ts_line2
      , src_sys TYPE sysysid
    , END OF ts_line2
  , tt_line2 TYPE STANDARD TABLE OF ts_line2
```

```
data lt_itab1 TYPE tt_line1.
data lt_itab2 TYPE tt_line2.
```

```
lt_itab1 = VALUE #(
  ( src_sys = 'ONE' field1 = 'F11' field2 = 'F21' )
  ( src_sys = 'TWO' field1 = 'F12' field2 = 'F22' )
  ( src_sys = 'THREE' field1 = 'F13' field2 = 'F23' )
  ( src_sys = 'FOUR' field1 = 'F14' field2 = 'F24' )).
```

```
lt_itab2 = VALUE #(
  ( src_sys = 'TWO' )
  ( src_sys = 'FOUR' )).
```

```
"""" to delete records that are not in lt_itab2
data(lt_itab10) = FILTER #(
  lt_itab1 USING key pr IN lt_itab2 WHERE src_sys = src_sys ).
```

```
"""" to save records that are not in lt_itab2
data(lt_itab11) = FILTER #(
  lt_itab1 USING KEY pr EXCEPT IN lt_itab2
  where src_sys = src_sys
).
" lt_itab11 will store ONE / THREE but not TWO and FOUR
```

# Mal Hareketleri İçin Malzeme Belgesi Birleştirme - BAPI\_GOODSMVT\_CREATE

Tuesday, February 6, 2024 5:32 PM

```
"beg:PP:9003185863-902 ve 531 mal hareketi için aynı malzeme belgesi tayini  
için 2 mal hareketi birleştirildi - MUZUN/OELMACI-06.02.2024

*-Exec Control
  DATA(lv_subrc) = lv_obj->exec_control_101( ).

  CHECK lv_subrc EQ 0.

*-Clear
  CLEAR:goodsmt_item,goodsmt_header,
    mt_return,lt_return,gs_log,gt_log.

  IF gs_data-ntgew IS INITIAL.
    gs_data-ntgew = gs_data-brgew - gs_data-dragr.
  ENDIF.

*-
  IF gs_data-matnr IS NOT INITIAL AND gs_data-matnr2 IS NOT INITIAL.
    APPEND VALUE #( material      = gs_data-matnr
                    material_long = gs_data-matnr
                    plant        = '3000'
                    stge_loc     = gs_data-lgort
                    batch        = gs_data-charg
                    move_type    = '902'
                    entry_uom    = gs_data-gewei
                    entry_qnt    = gs_data-ntgew
                  ) TO goodsmt_item.

    APPEND VALUE #( material      = gs_data-matnr2
                    material_long = gs_data-matnr2
                    plant        = '3000'
                    stge_loc     = gs_data-lgort2
                    batch        = gs_data-charg2
                    move_type    = '531'
                    entry_uom    = gs_data-gewei
                    entry_qnt    = gs_data-ntgew
                    quantity     = gs_data-ntgew
                  ) TO goodsmt_item.

    amount_lc      = '0.0100' )

  goodsmt_header = VALUE #( pstng_date = sy-datum
                            doc_date   = sy-datum
                            header_txt = 'Mamul 2. Kalite 902 - 531' )

*.

CALL FUNCTION 'BAPI_GOODSMVT_CREATE'
  EXPORTING
    goodsmt_header  = goodsmt_header
    goodsmt_code    = goodsmt_code_902 "Value 03
  IMPORTING
    goodsmt_headret = goodsmt_headret
    materialdocument = materialdocument
    matdocumentyear = matdocumentyear
  TABLES
    goodsmt_item    = goodsmt_item
    return          = lt_return.

  mt_return = CORRESPONDING #( BASE ( mt_return ) lt_return ).

  LOOP AT lt_return ASSIGNING FIELD-
SYMBOL(<return>) WHERE type CA 'AXE'.
```

```

        EXIT.
ENDLOOP.

IF sy-subrc <> 0.
"902 hareketi için log kaydı
gs_log-mblnr = materialdocument.
gs_log-matnr = gs_data-matnr.
gs_log-charg = gs_data-charg.
gs_log-lgort = gs_data-lgort.
gs_log-bwart = '902'.
gs_log-menge = gs_data-ntgew.
gs_log-meins = gs_data-gewei.
gs_log-budat = date.
gs_log-grdat = sy-datum.
gs_log-grtim = sy-uzeit.
gs_log-grusr = sy-uname.

APPEND gs_log TO gt_log.

"531 hareketi için log kaydı
CLEAR gs_log.
gs_log-mblnr = materialdocument.
gs_log-matnr = gs_data-matnr2.
gs_log-charg = gs_data-charg2.
gs_log-lgort = gs_data-lgort2.
gs_log-bwart = '531'.
gs_log-budat = date.
gs_log-grdat = sy-datum.
gs_log-grtim = sy-uzeit.
gs_log-grusr = sy-uname.
gs_log-menge = gs_data-ntgew.
gs_log-meins = gs_data-gewei.

APPEND gs_log TO gt_log.
INSERT zpp_072_t001 FROM TABLE gt_log.

COMMIT WORK AND WAIT .

CONCATENATE materialdocument TEXT-001 INTO DATA(lv_success_message)
SEPARATED BY space.

MESSAGE TEXT-001 TYPE 'I' DISPLAY LIKE 'S'.
ELSE.
CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'.
DATA(lv_msg) = '902 ve 531 Hareketi :'  && <return>-message.
MESSAGE lv_msg TYPE 'S' DISPLAY LIKE 'E'.
RETURN.
ENDIF.
ENDIF.

```

# MB21 Badi'den Kontrol Ekleme

Wednesday, February 7, 2024 3:48 PM

MB\_RESERVATION\_BADI'sinde data\_modify metodunda üretim-masraf yeri eşleşmesi için kontroller eklendi.Request QA'ye toclandı.Test edildi.se18

# Teklif veya Sipariş Kapama

Wednesday, February 7, 2024 6:04 PM

```
CHECK p_close = 'X'.

REFRESH : gt_return, lt_return, lt_tab2, lt_change_doc, lt_afpo.
CLEAR : ls_header_inx.
PERFORM get_selected_data TABLES lt_tab2.
CHECK lt_tab2[] IS NOT INITIAL.

*Selçuk Beyin isteği üzerine kaldırıldı. Üretim siparisi kontrolü kaldırıldı
1.
*      CHECK lt_tab2[] IS NOT INITIAL.
*      SELECT kdauf kdpos APPENDING TABLE lt_afpo
*          FROM afpo
*          FOR ALL ENTRIES IN lt_tab2
*              WHERE kdauf = lt_tab2-vbeln AND
*                  kdpos = lt_tab2-posnr AND
*                  wemng GT 0.
*
*      SORT lt_afpo BY kdauf kdpos.
ls_header_inx-updateflag = 'U'.
LOOP AT lt_tab2 INTO gs_tab.
  CLEAR : lt_items, lt_items_inx, lv_hata, lt_change_doc, lt_return,
lt_afpo.
  REFRESH : lt_items, lt_items_inx.
  lt_items-item_number = gs_tab-posnr.
  lt_items-reason_rej = gs_tab-abgru.
  APPEND lt_items.

  lt_items_inx-item_number = gs_tab-posnr.
  lt_items_inx-updateflag = 'U'.
  lt_items_inx-reason_rej = 'X'.
  APPEND lt_items_inx.

CALL FUNCTION 'BAPI_SALESORDER_CHANGE'
  EXPORTING
    salesdocument      = gs_tab-vbeln
    order_header_inx  = ls_header_inx
  TABLES
    return            = lt_return
    order_item_in     = lt_items
    order_item_inx   = lt_items_inx.
LOOP AT lt_return.
  IF lt_return-type CA 'AEX'.
    lv_hata = 'X'.
  ELSEIF lt_return-type EQ 'I'      AND
        lt_return-id EQ 'V1'      AND
        lt_return-number EQ '739' AND
        gs_tab-pstyv NE 'ZH01'.

SELECT f~vbeln INTO TABLE lt_vbeln
  FROM vbfa AS f
  INNER JOIN vbuk AS k ON k~vbeln = f~vbeln
  WHERE f~vbely EQ gs_tab-vbeln AND
    f~vbtyp_n EQ 'J' AND
    k~fkstk IN ('A', 'B').

  SORT lt_vbeln.
  DELETE ADJACENT DUPLICATES FROM lt_vbeln.
  CLEAR lt_return.

  lt_return-type = 'E'.
```

```

lt_return-id = 'ZSD'.
lt_return-number = '100'.

LOOP AT lt_vbeln .
  xndx = sy-tabix.
  CASE xndx.
    WHEN 1.  lt_return-message_v1 = lt_vbeln-vbeln.
    WHEN 2.  lt_return-message_v2 = lt_vbeln-vbeln.
    WHEN 3.  lt_return-message_v3 = lt_vbeln-vbeln.
    WHEN 4.  lt_return-message_v4 = lt_vbeln-vbeln.
  ENDCASE.
  ENDLOOP.
ENDIF.
PERFORM append_message USING lt_return.
ENDLOOP.
IF lv_hata = 'X'.
  CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'.
ELSE.
  CALL FUNCTION 'BAPI_TRANSACTION_COMMIT'
    EXPORTING
      wait = 'X'.

  lt_change_doc-vbeln = gs_tab-vbeln.
  lt_change_doc-posnr = gs_tab-posnr.
  APPEND lt_change_doc.
ENDIF.
*      ENDIF.
ENDLOOP.
PERFORM show_messages.
LOOP AT lt_change_doc.
  DELETE gt_tab WHERE vbeln = lt_change_doc-vbeln AND
                  posnr = lt_change_doc-posnr.
ENDLOOP.
CALL METHOD g_grid->refresh_table_display.

```

# ME51n için smod

Thursday, February 8, 2024 2:43 PM

smod: MM06E005

Me\_process\_po\_cust -> BADI kısmı

## External Request Yükleme

Sunday, February 11, 2024 6:08 PM

Örneğin bize aşağıdaki maildeki gibi dokümanlar iletti:



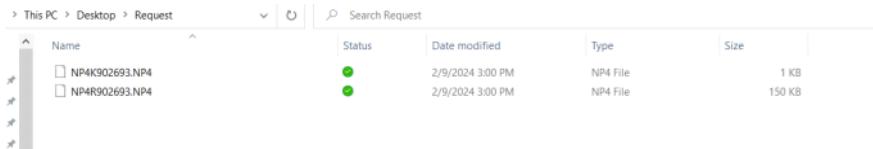
Selam Özcan;

En son değişiklik yapılmıştı pakette. Son versiyonu iletiyorum. Yükleyip bir deneyin. Sorun olursa tekrar bakalım.

Bu durumda Diler Sistemindeki ZREQ programını SE38'den açarak kullanabiliriz. Programı çalıştırduğumda bizi karşılayan ekrandan TEST varyantını seçenek bize yardımcı olacaktır.

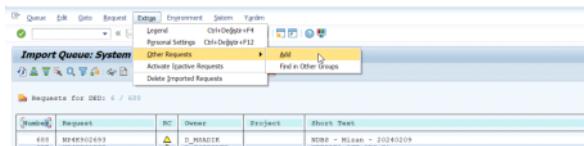


Path kısmına dosya yolu olarak "C:\Users\10131956\OneDrive - NTT DATA Business Solutions AG\Desktop\Request" bunu yazdım. Request klasörümüz içine de bize iletilen dosyaları koymuyor ve isimlendirmesinin başına NP4 yazarsak daha doğruş gönderilen dosyanın bitişindeki uzantısı (.NP4 şeklinde yazdığı için NP4 ekledik.) yazıyoruz.

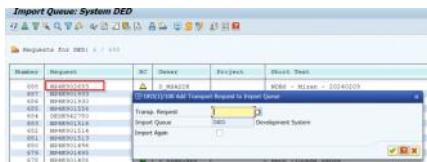


Ekranda gördüğünüz P\_TRKORR alanına sadece K ile başlayan dosyayı yazıyoruz ve sadece onun için programı çalıştırıyor. Program arka tarafta zaten K ile başlayan dosyayı buluyor. Kodu ona göre yazımız.

Bu işlemi yaptıkten sonra STMS\_IMPORT yaparak DEV sisteminde aşağıdaki adımları uyguluyoruz.



Daha sonra açılan ekranda Request alanına K ile başlayan requesti yazıyoruz.



Ben bu işlemi bir kez yaptıktan sonra SS aldıgım için bu şekilde görünüyor. Ama asıl süreç şu şekildedir; Request alanına kırmızı kutucuk içindeki NP4K902693 numarası yazılır ve Tick butonuna basılır. Kuryuja eklenir. Short text alan neden gelmedi diye üzülmeyin, çünkü bildiğimiz request taşıma işlemiini yapılığımızda otomatik olarak gelecektir. QA sistemden nasıl import ediyorsak DEV sisteme de o şekilde import ediyoruz kamyon butonu ile. Daha sonra QA'ye töclamak veya taşımak istediğinizde normal süreçleri uygulayabilirsiniz ☺.

```
*-----  
*& Report ZREQ  
*-----  
*&  
*&  
REPORT ZREQ LINE-SIZE 170.  
  
* Selection screen *  
PARAMETERS p_trkorr LIKE e070-trkorr OBLIGATORY.  
PARAMETERS p_lpath LIKE draw-filep OBLIGATORY DEFAULT 'c:\temp\'.  
  
SELECTION-SCREEN SKIP.  
  
PARAMETERS p_down RADIOBUTTON GROUP func DEFAULT 'X'.  
PARAMETERS p_up RADIOBUTTON GROUP func.  
  
* Global data *  
TYPE-POOLS sabc.  
  
DATA pos TYPE i.  
DATA temp TYPE c.  
  
DATA path LIKE draw-filep.  
DATA path_cfile LIKE draw-filep.  
DATA path_data LIKE draw-filep.  
DATA path_bin LIKE draw-filep.  
  
DATA fk LIKE draw-filep.  
DATA fr LIKE draw-filep.  
DATA fd LIKE draw-filep.  
  
DATA separator TYPE c.  
  
* Complete local path *  
AT SELECTION-SCREEN.  
pos = strlen( p_lpath ) - 1.  
temp = p_lpath+pos(1).  
CHECK NOT temp = '\'.  
CONCATENATE p_lpath '\' INTO p_lpath.  
  
START-OF-SELECTION.  
  
* Determine transport base directory *  
CALL 'C_SAPGPARAM' ID 'NAME' FIELD 'DIR_TRANS'  
ID 'VALUE' FIELD path.  
*path = '\\bekotest\saploc\trans'.  
  
* Determine file/path separator *  
IF sy-opsys = 'Windows NT'.  
separator = '\'.  
ELSE.  
separator = '/'.  
ENDIF.  
  
* Determine transport directories *  
CONCATENATE path separator 'cofiles' separator INTO path_cfile.  
CONCATENATE path separator 'data' separator INTO path_data.  
CONCATENATE path separator 'data' separator INTO path_bin.  
WRITE / 'Paths:'.  
WRITE / path_cfile, path_data, path_bin.  
SKIP.  
  
* Build filenames *  
CONCATENATE p_trkorr+3(7) p_trkorr+0(3) INTO fk SEPARATED BY '.'.  
CONCATENATE 'R' p_trkorr+4(6) '.' p_trkorr+0(3) INTO fr.  
CONCATENATE 'D' p_trkorr+4(6) '.' p_trkorr+0(3) INTO fd.  
  
* Up- or download transport request *  
IF p_down = 'X'.  
PERFORM download USING path_cfile p_lpath fk.  
PERFORM download USING path_data p_lpath fr.  
PERFORM download USING path_data p_lpath fd.  
ELSE.  
PERFORM upload USING p_lpath path_cfile fk.  
PERFORM upload USING p_lpath path_data fr.  
PERFORM upload USING p_lpath path_data fd.  
ENDIF.  
  
* Download files *  
FORM download USING (srcpath) LIKE draw-filep  
value(dspath) LIKE draw-filep  
value(file) LIKE draw-filep.  
DATA BEGIN OF buffer OCCURS 0.  
DATA data(1024) TYPE x.  
DATA END OF buffer.  
  
DATA filename TYPE rlgrap-filename.  
DATA reclen TYPE i.  
DATA filelen TYPE i.  
  
* Read input file *  
CONCATENATE srcpath file INTO filename.  
OPEN DATASET filename FOR INPUT IN BINARY MODE.  
CHECK sy-subrc = 0.  
WHILE sy-subrc = 0.  
READ DATASET filename INTO buffer LENGTH reclen.  
filelen = filelen + reclen.  
APPEND buffer.  
ENDWHILE.  
CLOSE DATASET filename.  
  
* Download file *  
CONCATENATE dspath file INTO filename.  
CALL FUNCTION 'WS_DOWNLOAD'  
EXPORTING  
bin_filesize = filelen  
filename = filename  
filetype = 'BIN'  
TABLES  
dtab tab = buffer  
EXCEPTIONS  
OTHERS = 1.  
CHECK sy-subrc = 0.  
WRITE / 'Download:',(150) file.  
ENDFORM.  
download  
  
* Upload file *  
FORM upload USING value(srcpath) LIKE draw-filep  
value(dspath) LIKE draw-filep  
value(file) LIKE draw-filep.  
DATA BEGIN OF buffer OCCURS 0.  
DATA data(1024) TYPE x.  
DATA END OF buffer.  
  
DATA filename TYPE rlgrap-filename.  
DATA reclen TYPE i.  
DATA filelen TYPE i.  
DATA result TYPE c.  
  
* Check if file exists *  
CONCATENATE srcpath file INTO filename.  
CALL FUNCTION 'WS_QUERY'  
EXPORTING  
filename = filename  
query = 'FE'  
IMPORTING  
return = result  
EXCEPTIONS  
OTHERS = 1.  
CHECK sy-subrc = 0 AND result = '1'.  
  
* Upload file *  
CALL FUNCTION 'WS_UPLOAD'
```

```
EXPORTING
  filename      = filename
  filetype     = 'BIN'
IMPORTING
  filelength   = filelen
TABLES
  data_tab     = buffer
EXCEPTIONS
  OTHERS       = 1.

* Write file to server *
CONCATENATE dspath file INTO filename.
OPEN DATASET filename FOR OUTPUT IN BINARY MODE.
CHECK sy-subrc = 0.
LOOP AT buffer.
  DESCRIBE FIELD buffer-data LENGTH reclen in byte mode.
  IF filelen > reclen.
    filelen = filelen - reclen.
  ELSE.
    reclen = filelen.
  ENDIF.
  TRANSFER buffer TO filename LENGTH reclen.
ENDLOOP.
CLOSE DATASET filename.
WRITE: / "Upload:",(150)file.
  "upload
ENDFORM.
```

# SO\_NEW\_DOCUMENT\_ATT\_SEND\_API1-Attachment

Friday, February 16, 2024 9:20 AM

<https://community.sap.com/t5/application-development-discussions/function-module-so-new-document-att-send-api1/m-p/1450874>

# Va01,va02 gibi standart kodların arkasındaki exitler

Tuesday, February 20, 2024 1:23 PM

Mv45afzz include'u içinde geliştirmeler yapılıyor.

# 711-712 mal hareketi için örnek program

Tuesday, February 20, 2024 1:56 PM

zmm\_711\_GOODSMVT\_CREATE -> MAVI USCA tarafından

Excel formatı da bıymuş

A	B	C	D	E	F	G
Kayıt Tarihi	Belge Tarihi	İşlem Türü	Malzeme	Miktar	Üretim Yeri	Depo Yeri
01/29/2024	01/29/2024	711	M0035183199047	1	5001	1000
01/29/2024	01/29/2024	711	M0035183199059	1	5001	1000
01/29/2024	01/29/2024	711	M0035183199060	1	5001	1000
01/29/2024	01/29/2024	711	M0035183199060	1	5001	1000

```
INCLUDE ZMM_711_GOODSMVT_CREATE_TOP.  
INCLUDE ZMM_711_GOODSMVT_CREATE_F01.
```

```
*&-----*  
*& Include ZMM_711_GOODSMVT_CREATE_TOP  
*&-----*  
SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE TEXT-001.  
* PARAMETERS: p_file TYPE rlgrap-filename."OBLIGATORY.  
PARAMETERS: p_file TYPE c length 256 LOWER CASE."OBLIGATORY.  
SELECTION-SCREEN SKIP.  
SELECTION-SCREEN END OF BLOCK b1.
```

```
DATA gt_excel TYPE TABLE OF zmm_711_goods_str.
```

```
AT SELECTION-SCREEN ON VALUE-REQUEST FOR p_file.  
PERFORM get_value_request.
```

```
START-OF-SELECTION.  
PERFORM get_upload.  
PERFORM get_save.
```

```
*&-----*  
*& Include ZMM_711_GOODSMVT_CREATE_F01  
*&-----*  
*&-----*  
*& Form get_upload  
*&-----*  
*& text  
*&-----*  
*& --> p1 text  
*& <-- p2 text  
*&-----*  
FORM get_upload .  
CLEAR: gt_excel[].  
".$. Region hcyanci  
DATA: text_data TYPE truxs_t_text_data. "canlı için commentlendi
```

```

DATA: p_file_1  TYPE localfile.
DATA: lv_file   TYPE string.
DATA: lv_gun    TYPE char2,
      lv_ay     TYPE char2,
      lv_yil   TYPE char4,
      lv_strlen TYPE int4,
      i_filename LIKE rlgrap-filename.

lv_file = p_file.

CALL FUNCTION 'GUI_UPLOAD'
  EXPORTING
    filename           = lv_file
    filetype          = 'ASC'
  TABLES
    data_tab          = text_data
  EXCEPTIONS
    file_open_error   = 1
    file_read_error   = 2
    no_batch          = 3
    gui_refuse_filetransfer = 4
    invalid_type      = 5
    no_authority      = 6
    unknown_error     = 7
    bad_data_format   = 8
    header_not_allowed = 9
    separator_not_allowed = 10
    header_too_long   = 11
    unknown_dp_error  = 12
    access_denied     = 13
    dp_out_of_memory = 14
    disk_full         = 15
    dp_timeout        = 16
    OTHERS            = 17.

IF sy-subrc <> 0.
  MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
    WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
ENDIF.

".$ endregion hcyanci
i_filename = p_file.
CALL FUNCTION 'TEXT_CONVERT_XLS_TO_SAP'
  EXPORTING
    i_tab_raw_data    = text_data
    i_filename         = i_filename
    i_line_header      = 'X'
  TABLES
    i_tab_converted_data = gt_excel
  EXCEPTIONS
    conversion_failed = 1
    OTHERS              = 2.

ENDFORM.

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

FORM get_value_request .
  DATA: l_filetable TYPE filetable,
        rc          TYPE sy-subrc,
        l_filetab_h LIKE LINE OF l_filetable.

  CALL METHOD cl_gui_frontend_services->file_open_dialog
    EXPORTING
      window_title      = 'Dosya Seçim Ekrani'

```

```

        default_extension      = 'XLS'
*      default_filename       =
*      file_filter           = '.xls'
*      initial_directory     =
*      multiselection        =
*      with_encoding         = 'X'

      CHANGING
        file_table            = l_filetable
        rc                     = rc
*      user_action           =
*      file_encoding         =

      EXCEPTIONS
        file_open_dialog_failed = 1
        cntl_error             = 2
        error_no_gui           = 3
        not_supported_by_gui   = 4
        OTHERS                 = 5.

      IF sy-subrc <> 0.

      ELSE.

        LOOP AT l_filetable INTO l_filetab_h.

          p_file = l_filetab_h-filename.

          EXIT.

        ENDLOOP.

      ENDIF.

    ENDFORM.

*-----*
*& Form get_save
*-----*
*& text
*-----*
*& --> p1      text
*& <-- p2      text
*-----*
FORM get_save .
  DATA: goodsmvt_header  TYPE bapi2017_gm_head_01,
        goodsmvt_item    TYPE TABLE OF bapi2017_gm_item_create,
        ls_goodsmvt_item LIKE LINE OF goodsmvt_item,
        return           TYPE TABLE OF bapiret2,
        materialdocument TYPE bapi2017_gm_head_ret-mat_doc.

  SORT gt_excel by kayit_tarihi belge_tarihi matnr islem_turu miktar uretim_yeri depo_yeri.
  DELETE ADJACENT DUPLICATES FROM gt_excel COMPARING ALL FIELDS.

  LOOP AT gt_excel INTO DATA(gs_excel).
    CONDENSE: gs_excel-matnr,gs_excel-uretim_yeri,
              gs_excel-depo_yeri,gs_excel-islem_turu,gs_excel-miktar.
    CLEAR: goodsmvt_item[],ls_goodsmvt_item,goodsmvt_header,return[],material document.
    goodsmvt_header-pstng_date = gs_excel-kayit_tarihi+6(4) && gs_excel-kayit_tarihi(2) && gs_excel-kayit_tarihi+3(2).
    goodsmvt_header-doc_date = gs_excel-belge_tarihi+6(4) && gs_excel-belge_tarihi(2) && gs_excel-belge_tarihi+3(2).
    goodsmvt_header-header_txt = 'SAYIM DUZELTME'.

    ls_goodsmvt_item = VALUE #( material = gs_excel-matnr
                               plant   = gs_excel-uretim_yeri
                               stge_loc = gs_excel-depo_yeri
                               move_type = gs_excel-islem_turu
                               entry_qnt = gs_excel-miktar ).

    APPEND ls_goodsmvt_item TO goodsmvt_item.

    CALL FUNCTION 'BAPI_GOODSMVT_CREATE'

```

```

EXPORTING
  goodsmt_header  = goodsmt_header
  goodsmt_code    = '03'
IMPORTING
  materialdocument = materialdocument
TABLES
  goodsmt_item    = goodsmt_item
  return          = return.

LOOP AT return INTO DATA(ls_return) WHERE type CA 'EAX'.
  EXIT.
ENDLOOP.
IF sy-subrc EQ 0.
  CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'.
ELSE.
  CALL FUNCTION 'BAPI_TRANSACTION_COMMIT'
  EXPORTING
    WAIT          = 'X'..
ENDIF.
IF materialdocument IS INITIAL.
  LOOP AT return INTO ls_return WHERE type CA 'EAX'.
    WRITE: ls_return-message.
  ENDLOOP.
ELSE.
  WRITE : 'Belge Oluşturuldu' , materialdocument .
  SKIP 1.
ENDIF.

ENDLOOP.

ENDFORM.

```

# GL\_ACCOUNTS for ACCOUNTS FI/HR uyarlama

Tuesday, February 20, 2024 4:44 PM

T030 tablosu önemli

# Custom Fields & Logic Eğitimi

Tuesday, February 20, 2024 5:25 PM

- **SCFD\_REGISTRY** t-code'a giderek S4HANA'da hangi Business Context'lerin olduğunu ve hangilerinin genişletilebilir olduğunu görebilirsiniz. S4HANA'daki Business Context'lere veya uygulamalara bir alan eklemek istiyorsanız öncelikle Extensibility Registry yardımıyla bunun mümkün olup olmadığı kontrol edilmelidir. Eğer eklemek istediğiniz nesne ya da nesneler burada yoksa bunu manuel olarak ( her zaman yaptığımız gibi ) eklemekten başka yol yoktur.
- **SCFD\_REGISTRY** t-code'a girdikten sonra Business Context Tab'ından S4HANA'da olan tüm Business Context'leri ve detaylarını görüntüleyebiliriz. Detay görmek için ilgili Business Context üzerine çift tıklayınız.

## 2.1.2. Detail of each Business Context in Custom Fields of CFL

Daha öncede bahsettiğimiz gibi S4HANA'da kaynak tablolara önceden eklenmiş Z'li alanların Fiori uygulamalarına ve diğer objelere eklenmesi Custom Fields and Logic ile mümkündür. **SCFD\_EUI** t-code kullanılarak Business Context'e kaynak tablolarda bulunan alanları ekleyebiliriz.



**SCFD\_EUI** t-code'a girdikten sonra yukarıdaki gibi MARA tablosu için çalıştırıyoruz. Burada daha önceden kaynak tabloya eklenmiş custom fieldsları göreceğiz.

# Yeni program için girizgah

Wednesday, February 21, 2024 1:11 PM

```
*&-----*  
*& Report ZPP_001_MIKTAR_SARFIYAT_RAPOR  
*&  
*&-----*  
* Geliştirme Danışmanı : Kerim AYBASTIOĞLU  
* Uygulama Danışmanı : Hasbi BERBER  
* Geliştirme No :  
* Tarih : 15/02/2024  
*-----*  
* Değişiklik Günlüğü  
*-----*  
* Değişiklik/Request No :  
* Tarih :  
* Geliştirme Danışmanı :  
*-----*
```

# OLE Eğitim

Thursday, February 22, 2024 5:45 PM

<https://www.youtube.com/@igorborodin2509/videos>

<https://community.sap.com/t5/application-development-blog-posts/xlsx-workbench-for-sap-abap-tool-for-exporting-data-to-excel/ba-p/13065286>

## OLE - ABAP Temel İfadeleri

- Genel olarak otomasyona ulaşmak için beş temel ifade vardır.

- ❑ CREATE OBJECT
- ❑ SET PROPERTY
- ❑ GET PROPERTY
- ❑ CALL METHOD
- ❑ FREE OBJECT

---

## ‘ole2\_object’ Tipi Bildirimi

- Excel uygulamasının tüm nesneleri 'ole2\_object' türüyle bildirilmelidir.

```
* OLE Data Declarations
DATA: lo_application  TYPE ole2_object,    "Excel object
      lo_workbook     TYPE ole2_object,    "Workbook
      lo_workbooks    TYPE ole2_object,    "List of workbooks
      lo_range        TYPE ole2_object,    "Range
      lo_worksheet    TYPE ole2_object,    "Worksheet
      lo_worksheets   TYPE ole2_object,    "Worksheets
      lo_column       TYPE ole2_object,    "Column
      lo_row          TYPE ole2_object,    "Row
      lo_cell         TYPE ole2_object,    "Cell
      lo_font         TYPE ole2_object.   "Font
```

# Performansın iyileştirilmesi

## 2. Kopyala-Yapıştır Yöntemi

```
    . . .
DATA l_rc TYPE i.

**Copy data in clipboard
CALL METHOD cl_gui_frontend_services->clipboard_export
  IMPORTING
    data          = it_sheet[]
  CHANGING
    rc           = l_rc
  EXCEPTIONS
    cntl_error   = 1
    error_no_gui = 2
    not_supported_by_gui = 3
    OTHERS        = 4.

    . . .
```

## Batch Input

Friday, February 23, 2024 1:28 PM

**SHDB tcoduna gidiyoruz ve yeni kayıt diyoruz.**

Kayıt bölümüne isim veriyoruz. İşlem kodu kısmına kullanacağımız TCODE'u yazıyoruz. 'MM01' gibi.

Daha sonra kaydi başlatıyoruz. Program bize direkt ilgili TCODE ekranını açıyor. Otomatik hale getirmek istedigimiz işlemi manuel olarak bir kereye mahsus yapıyoruz. Program bunu arka planda adımları kaydederek bir program haline getiriyor.

Satır	Program	Ekran	B.	Field name	Alan değer
1			T	ME01	
2	SAPLMM001	0040	X		
3				BDC_CURSOR	RMMG1-MIART
4				BDC_OKCODE	=ENTR
5				RMG01-NBRSB	I
6				RMG01-MIART	ZSPR
7	SAPLMM001	0070	X		
8				BDC_CURSOR	MSICHTAU\$W-DYTXT[01]
9				BDC_OKCODE	=ENTR
10				MSICHTAU\$W-KIEL1[01]	X
11	SAPLMM001	4004	X		
12				BDC_OKCODE	/00
13				BDC_SUBSCR	SAPLMM001
14				BDC_SUBSCR	SAPLMD01
15				MANT-MATRIX	Burak Matzeme VI
16				BDC_SUBSCR	SAPLMD01
17				MARA-MEINS	ADT
18				BDC_SUBSCR	SAPLMD01
19				BDC_SUBSCR	SAPLMD01
20				BDC_CURSOR	MARA-GEWEI
21				MARA-BREW	5
22				MARA-GEWEI	KG
23				MARA-NITRW	3
24				BDC_SUBSCR	SAPLMD01
25				BDC_SUBSCR	SAPLMD01
26				BDC_SUBSCR	SAPLMD01

Bu şekilde bir ekran karşılıyor bizi. Bu bize ilgili TCODE içinde neler yaptığımızı anlatıyor. Örneğin şu bilgileri girdi ve enter'a bastın gibi bilgileri tutuyor. Bir örneğin bu ekranda ilgili adresimizi kaydetmiş olan programı debug gibi incelemek istedigimizde aşağıda bir nevi gözden geçirmek istedigimizde İşlem butonuna tıklayıp ve yaptığımız adımları tek tıkla bitirebiliriz.

Her şey istediğimiz gibi görünüyorsa kaydet'e basıyoruz ve kaydımızı gerçekleştiriyoruz.

Daha sonrasında kendi programlarımızda kodları kullanabilmek açısından ilgili batch input kaydımızı seçiyoruz ve yukarıda Program butonuna basıyoruz. Program adı kısmına Z'li bir program giriyoruz ve enter ile devam edip programı oluşturuyoruz.

The screenshot shows the 'Transaction Recorder' application interface. A new transaction entry is being created, specifically a withdrawal ('Yatırımlı') transaction. The entry details are as follows:

- Kayıt tarihi:** 2023-09-01
- Tarih:** 11:11
- İşlem:** Yatırımlı
- Banka:** Deneme bankası
- Program:** Deneme verileri

The 'Program' dropdown menu is open, showing the selected option 'Deneme verileri'. Below the dropdown, there are sections for 'Program adı' (Program name) and 'Alan (gerçekleştirmek)' (Field (execute)). Under 'Alan (gerçekleştirmek)', two options are listed:

- Dosya içinden oku
- Kayıt içinden devral

Sistemin oluşturmuş olduğu bu program biraz daha kapsamlı ve karmaşık olduğu için biz kendi programımızı yapıyoruz.

Ekstra not olarak => Buradaki işlev modülüne basarsak bize fonksiyon oluşturuyor. Function group oluşturup onu veriyoruz.

```

25
26  perform bdc_dynpro      using 'BAPIMHDM' '0000'.
27  perform bdc_field       using 'BDC_CURSOR',
28    using 'BDC_H1-INITART',
29    using 'BDC_OCODE',
30    using ''ENTER'.
31  perform bdc_field      using 'BDC_H2-MBSH',
32    record-MBSH_001,
33    record-MBSH_002.
34  perform bdc_dynpro      using 'BAPLHDM' '0070',
35  perform bdc_field       using 'BDC_CURSOR',
36    using 'BDC_OCODE',
37  perform bdc_field      using 'BDC_H2-MBSH-DYTXIT(01)'.
38  perform bdc_field      using 'BDC_CURSOR',
39    using 'BDC_OCODE',
40  perform bdc_field      using 'BDC_H2-MBSH-KISEL(01)'.
41  record-KISEL_01_003.
42  perform bdc_dynpro      using 'BAPLHDM' '4004'.
43  perform bdc_field      using 'BDC_OCODE',
44    using ''/0'.
45  perform bdc_field      using 'MART-MARTX',
46    record-MARTX_004,
47  perform bdc_field      using 'MARA-HEINS',
48    record-HEINS_005,
49  perform bdc_field      using 'BDC_CURSOR',
50    using 'MARA-BRNAME',
51  perform bdc_field      using 'MARA-BRNAME',
52    record-BRNAME_006,
53  perform bdc_field      using 'MARA-GENEI',
54    record-GENEI_007,
55  perform bdc_field      using 'MARA-NTEW',
56    record-NTEW_008,
57  perform bdc_dynpro      using 'BAPLSP01' '0300',
58  perform bdc_field      using 'BDC_OCODE',
59    using ''YES',
60  perform bdc_transaction using 'MM01'.
61
62
63
64
65
66
67
68
69
70
71
72
73
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75
76
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91

```

Bu kısmı kesinlikle alıyoruz. Standart perform olan ve batch inputun da temel iki performu olan bdc\_dynpro ve bdc\_field metodlarını standartın içine giderken alalım.

```

251 FORM BDC_DYNPRO USING PROGRAM DYNPRO.
252   CLEAR BDCDATA.
253   BDCDATA-PROGRAM = PROGRAM.
254   BDCDATA-DYNPRO = DYNPRO,
255   BDCDATA-DYNBEGIN = 'X',
256   APPEND BDCDATA.
257 ENDFORM.
258
259
260 *      Insert field
261
262 FORM BDC_FIELD USING FNAM FVAL.
263   IF FVAL <> NODATA.
264     CLEAR BDCDATA.
265     BDCDATA-FNAM = FNAM.
266     BDCDATA-FVAL = FVAL.
267     APPEND BDCDATA.
268   ENDIF.
269 ENDFORM.
270

```

Bdc\_transaction için ise sadece aşağıdaki kod parçasını alıyoruz:

```

174 *      Start new transaction according to parameters
175
176 FORM BDC_TRANSACTION USING TCODE.
177   DATA: L_MSTRING(400),
178   DATA: L_SUBRC LIKE SY-SUBRC,
179   DATA: IX_AUTH_CHECK TYPE REF TO CX_ROOT.
180   DATA: I_AUTH_CHECK_TEXT TYPE STRING.
181
182 *      If SESSION = 'X',
183   IF SESSION = 'X'.
184     CALL TRANSACTION BDC_INSERT(
185       EXPORTING TCODE = TCODE
186       TABLES DYNPROTAB = BDCDATA.
187
188   IF SMALLLOG <> 'X'.
189     WRITE: / 'BDC_INSERT'(I05),
190           TCODE,
191           'RETURNNODE:'(I05),
192           SY-SUBRC,
193           'RECORDID',
194           SY-INDEX.
195   ENDIF.
196
197 *      Call transaction using
198   ELSE,
199     REFRESH MESSTAB,
200     TRY.
201       CALL TRANSACTION TCODE WITH AUTHORITY-CHECK USING BDCDATA.
202         MORE CITM000
203         UPDATE CUPDATE
204         MESSAGES INTO MESSTAB.
205     CATCH CX_SY_AUTHORIZATION_ERROR INTO IX_AUTH_CHECK.
206       Authorization missing for user when executing transaction
207       I_AUTH_CHECK_TEXT = IX_AUTH_CHECK->GET_TEXT( ).
```

Programımızda kullandığımız bdc\_data ve mesaj tabloları için aşağıdaki tanımlamaları en başta yapmamız gerekiyor:

```

DATA: GT_BDCDATA TYPE TABLE OF BDCDATA,
      GS_BDCDATA TYPE BDCDATA,
      GT_MESSTAB TYPE TABLE OF BDMSGCOLL.
```

Perform bdc\_transaction ve diğer 2 metodumuzun içini aşağıdaki gibi revize edelim:

**Not:** Mode kısma girebileceğimiz değerler: E, A, N değerleridir.

E: Sadece hataları göstererek çalışma modu

A: Ön ekranla her adımı göstererek çalıştırmak demektir. Yani SHDB ekranından kayıt oluşturduktan sonra işlem butonuna basmak ile aynı şeydir.

N: Arka planda programın çalışması anlamına gelir ki biz bunu yapıyoruz genelde.

```

CALL TRANSACTION 'MM01'
  WITH AUTHORITY-CHECK USING GT_BDCDATA
  MODE 'A'
  MESSAGES INTO GT_MESSTAB.
```

```

FORM BDC_DYNPRO USING program dynpro.
  CLEAR GS_BDCDATA.
  GS_BDCDATA-PROGRAM = _PROGRAM.
  GS_BDCDATA-DYNPRO = _DYNPRO.
  GS_BDCDATA-DYNBEGIN = 'X'.
  APPEND GS_BDCDATA TO GT_BDCDATA.
ENDFORM.

*      Insert field
*-----*
```

```

FORM BDC_FIELD USING FNAM FVAL.
  CLEAR GS_BDCDATA.
  GS_BDCDATA-FNAM = FNAM.
  GS_BDCDATA-FVAL = FVAL.
  APPEND GS_BDCDATA TO GT_BDCDATA.
ENDFORM.
```

Perform\_field metodlarının çağrıldığı yerlerdeki record kelimesi ile başlayan yerler aslında bizim dinamik olarak kullanacağımız yerlerdir. Ekranın girdiğimiz verilerin tutulup buraya verildiği yerlerdir buralar. Bunu daha iyi anlayabilmek için benim önerim SHDB ekranından oluşturduğumuz programı incelemeniz olacaktır.

# BP Ekranına Alan Ekleme

Wednesday, February 28, 2024 9:21 AM

<https://community.sap.com/t5/enterprise-resource-planning-blogs-by-sap/sap-s-4hana-business-partner-field-enhancement/ba-p/13427898>

## **Emrullah Demirhan**

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**Konu:** FW: BP Ek alan

**From:** Gurbuz, Ahmet Emre <[Ahmetemre.Gurbuz@bs.nttdata.com](mailto:Ahmetemre.Gurbuz@bs.nttdata.com)>

**Sent:** Monday, February 19, 2024 1:11 PM

**To:** Demirhan, Emrullah <[Emrullah.Demirhan@bs.nttdata.com](mailto:Emrullah.Demirhan@bs.nttdata.com)>

**Subject:** BP Ek alan

## BP Ek alan

21 Ekim 2021 Perşembe

10:11

# BP Ek alan

Monday, May 20, 2019  
2:04 PM

BP  
Bp Ek Alan

Step by step explanation of how to add a new tab to BP screen.

- Add new fields to standard structure incl\_eew\_kna1. incl\_eew\_kna1 is included in KNA1. Fields will be in KNA1 automatically.

## Dictionary: Display Structure

Built-In Type						
Component	Typing Method	Component Type	Data Type	Length	Decimal...	Short Description
KNA1_EEW_CUST	1 Types	KNA1_EEW_CUST	CHAR	1	0	data element for customer
ZZ_FIELD1	1 Types	CHAR10	CHAR	10	0	Character Field Length = 10

- Add same fields to incl\_eew\_kna1\_x. Make sure that data element must be char1 for ex. bapiupdate.

## Dictionary: Display Structure

Built-In Type						
Component	Typing Method	Component Type	Data Type	Length	Decimal...	Short Description
KNA1_EEW_CUST	1 Types	KNA1_EEW_CUST	CHAR	1	0	data element for customer
ZZ_FIELD1	1 Types	BAPIUPDATE	CHAR	1	0	Updated information in related user data field

## Extend Complex Interface CVIS\_EI\_EXTERN

To ensure data transportation from Business Partner to Customer master data the complex interface of CVI has to be extended by the additional field.

- Open ABAP Dictionary run transaction SE11 and enter data type CVIS\_EI\_EXTERN

## ABAP Dictionary: Initial Screen

The screenshot shows the ABAP Dictionary: Initial Screen. A red box highlights the 'Data type' field, which contains 'CVIS\_EI\_EXTERN'. Below it, other options like 'Type Group' and 'Domain' are shown. At the bottom, there are buttons for 'Display', 'Change', and 'Create', with 'Display' being highlighted by a red box.

- Use forward navigation to reach customer's central data using double click

## Dictionary: Display Structure

Hierarchy Display Append Structure...						
Structure	CVIS_EI_EXTERN	Active				



- Use forward navigation to reach customer's central data using double click

### Dictionary: Display Structure

Structure	CVIS_EI_EXTERN	Active		
Short Description	Complex Interface for Business Partner in CVI			
	Attributes	Components	Input Help/Check	Currency/quantit
Component	Typing Method	Component Type	Data Type	L
PARTNER	1 Types	BUS_EI_EXTERN	...	
PARTNER_RELATION	1 Types	BURS_EI_EXTERN_I	...	
CUSTOMER	1 Types	CMDS_EI_EXTERN	...	
VENDOR	1 Types	VMDS_EI_EXTERN	...	
ENSURE_CREATE	1 Types	CVI_ENSURE_CREA...	...	
EXT_APPL_DATA	1 Types	TT_EXT_DATA	...	

### Dictionary: Display Structure

Structure	CMDS_EI_EXTERN	Active		
Short Description	Complex External Interface for Customers			
	Attributes	Components	Input Help/Check	Currency/quantit
Component	Typing Method	Component Type	Data Type	L
HEADER	1 Types	CMDS_EI_HEADER	...	
CENTRAL_DATA	1 Types	CMDS_EI_CENTRAL...	...	
COMPANY_DATA	1 Types	CMDS_EI_CMD_COM...	...	
SALES_DATA	1 Types	CMDS_EI_CMD_SAL...	...	

**Dictionary: Display Structure**

Dictionary: Display Structure					
Hierarchy Display Append Structure...					
Structure	CMDS_EI_CENTRAL_DATA		Active		
Short Description	External Interface: Central Data				
Attributes	Components			Input Help/Check	Currency/quantity fields
	Built-In Type				
Component	Typing Method	Component Type	Data Type	Length	Decimals
<u>CENTRAL</u>	1 Types	✓ CMDS_EI_CMD_CENTRAL			
<u>ADDRESS</u>	1 Types	✓ CVIS EI ADDRESS1			
<u>TEXT</u>	1 Types	✓ CVIS EI CVIS TEXT			
<u>VAT NUMBER</u>	1 Types	✓ CVIS EI VAT NUMBERS			
<u>TAX GROUPING</u>	1 Types	✓ CMDS_EI_CMD TAX			
<u>TAX IND</u>	1 Types	✓ CMDS_EI_CMD TAX IND			
<u>EXPORT</u>	1 Types	✓ CMDS_EI_CMD EXPORT			
<u>LOADING</u>	1 Types	✓ CMDS_EI_CMD LOADING			
<u>RECEIVING</u>	1 Types	✓ CMDS_EI_CMD RECEIVING			
<u>DEPARTMENT</u>	1 Types	✓ CMD EI CMD DEPT			
<u>CONTACT</u>	1 Types	✓ CMDS_EI_CMD_CONTACTS			

3. Both structures DATA and DATAX needs to get an append

**Dictionary: Display Structure**

Dictionary: Display Structure					
Hierarchy Display Append Structure...					
Structure	CMDS_EI_CMD_CENTRAL		Active		
Short Description	Ext. Interface: Central Customer Data				
Attributes	Components			Input Help/Check	Currency/quantity fields
	Built-In Type				
Component	Typing Method	Component Type	Data Type	Length	Decimals
<u>DATA</u>	1 Types	✓ CMDS_EI_VMD_CENTRAL_DATA			
<u>DATAX</u>	1 Types	✓ CMDS_EI_VMD_CENTRAL_DATA_XFLAG			

4. Create append to DATA structure type Navigate into structure with double click

**Dictionary: Display Structure**

Dictionary: Display Structure					
Hierarchy Display Append Structure...					
Structure	CMDS_EI_CMD_CENTRAL		Active		
Short Description	Ext. Interface: Central Customer Data				
Attributes	Components			Input Help/Check	Currency/quantity fields
	Built-In Type				
Component	Typing Method	Component Type	Data Type	Length	Decimals
<u>DATA</u>	1 Types	✓ CMDS_EI_VMD_CENTRAL_DATA			

Component	Typing Method	Component Type	Data Type
DATA	1 Types	CMDS_EI_VMD_CENTRAL_DATA	...
DATAX	1 Types	CMDS_EI_VMD_CENTRAL_DATA_XFLAG	...

5. Create Append structure ZKNA1\_ENH

Dictionary: Display Structure

Structure: CMDS\_EI\_VMD\_CENTRAL\_DATA Active

Short Description: Ext. Interface: Central Customer Data

Append Structure...

Append Name: ZKNA1\_ENH

6. Add structure component and component type as definition in KNA1

Dictionary: Change Append Structure

Append Structure: ZKNA1\_ENH Active

Short Description: KNA1 Enhancements

Components

Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description
ZCUST	1 Types	ZCUST	NUMC	6	0	End-Customers

7. Save and Activate changes

8. Navigate back to Structure CMDS\_EI\_CMD\_CENTRAL

Dictionary: Display Structure

Structure: CMDS\_EI\_CMD\_CENTRAL Active

Short Description: Ext. Interface: Central Customer Data

Components

Components			
Input Help/Check   Currency/quantity fields			
Built-In Type			
Component	Typing Method	Component Type	D
<u>DATA</u>	1 Types	CMDS EI VMD CENTRAL DATA	<input type="checkbox"/>
<u>DATAX</u>	1 Types	CMDS EI VMD CENTRAL DATA XFLAG	<input type="checkbox"/>

9. Create append to DATAX structure typeNavigate into structure CMDS\_EI\_VMD\_CENTRAL\_DATA\_XFLAG with double click

**Dictionary: Display Structure**

Structure: CMDS\_EI\_CMD\_CENTRAL Active  
Short Description: Ext. Interface: Central Customer Data

Components tab selected.

Component	Typing Method	Component Type	D
<u>DATA</u>	1 Types	CMDS EI VMD CENTRAL DATA	<input type="checkbox"/>
<u>DATAX</u>	1 Types	CMDS EI VMD CENTRAL DATA XFLAG	<input checked="" type="checkbox"/>

10. Create an Append Structure ZKNA1\_ENHX

**Dictionary: Display Structure**

Structure: CMDS\_EI\_VMD\_CENTRAL\_DATA\_XFLAG Active  
Short Description: Ext. Interface: Central Customer Data / X-Fields

Append Structure... button highlighted.

Append for CMDS\_EI\_VMD\_CENTRAL\_DATA\_XFLAG

Object Name	Status	Short text
IFMFG_AKNA1_USFED_XFLAG	Active	US Federal Customer Master Fields / X-Fields
IFM_AKNA1_PSO_XFLAG	New	Local Authority Additional Fields / X-Fields
OIO_KNA1_X	New	IS-Oil MAP Append To Table KNA1 for Update

Create Append Structure for CMDS\_EI\_VMD\_CENTRAL...

Append Name: ZKNA1\_ENHX

Buttons:



11. Add structure component ZCUST component type BAPIUPDATE

**Dictionary: Change Append Structure**

Hierarchy Display

Append Structure		ZKNA1_ENHX	Active				
Short Description		KNA1 Enhancements X					
		Attributes		Components		Input Help/Check	
Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description	
ZCUST	1 Types	BAPIUPDATE	CHAR	1	0	Updated information in related user data field	

12. Save and activate changes

13. Leave transaction SE11

- Create a Z function group. IN top include define variables:

The screenshot shows the SAP Object Navigator interface. The title bar says "Object Navigator". Below it is a toolbar with icons for back, forward, search, and edit object. A "Repository Browser" tab is selected, showing a dropdown menu set to "Function Group". The main area displays the structure of the "ZSD\_BP" function group. The tree view shows the following hierarchy:  
- ZSD\_BP (highlighted)  
 - Function Modules  
 - Dictionary Structures  
 - Fields  
 - PBO Modules  
 - STATUS\_9001  
 - PAI Modules  
 - USER\_COMMAND\_9001  
 - Screens  
 - 9001  
 - Includes  
 - LZSD\_BPI01  
 - LZSD\_BPO01  
 - LZSD\_BPT01

- LZSD\_BPTOR
- LZSD\_BPUXX

TABLES:

```
kna1.
constants:
  table_name_kna1  type fsbp_table_name  value 'KNA1',
  false      type boole-boole    value ''.
```

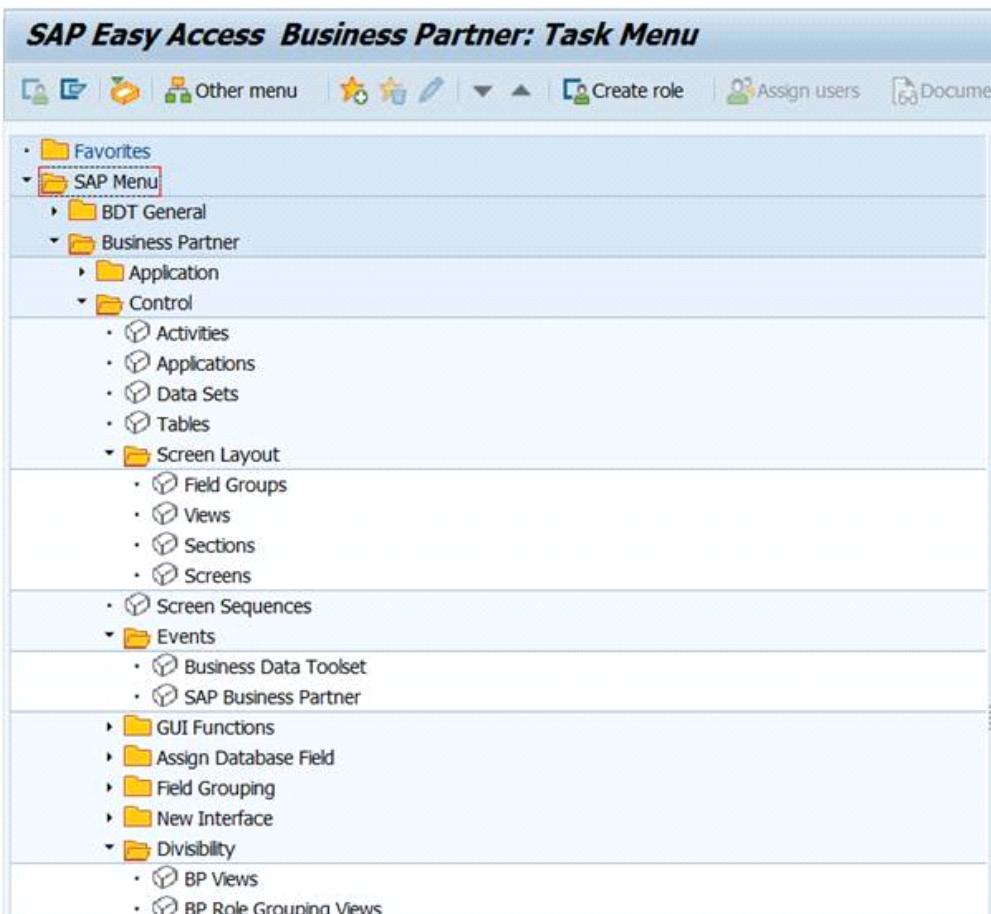
DATA:

```
gs_kna1 TYPE kna1.
```

- Create a new screen in function group.
- IN PBO of screen call function 'BUS\_PBO' and in PAI call BUS\_PAII.
- MODULE status\_9001 OUTPUT.  
CALL FUNCTION 'BUS\_PBO'.  
ENDMODULE.

```
user_command_9001 INPUT.
CALL FUNCTION 'BUS_PAII'.
ENDMODULE.
```

4. In screen layout press F6. Get KNA1-Z fields to the screen. Activate the screen and function group.  
Lets begin to customizing.
- Go to BUPT t-code.



- Srch Help
- Application Transactions
- Where-Used List
- Archiving
- Mass changes
- Business Partner Relationships

- Create a new application named 'ZKNA' with New Entries button. Business Partner->Control->Applications. Define a description and active is selected.

**Change View "Applications": Details**

New Entries   

Application	ZKNA
-------------	------

General Data

Description	Additional Fields
<input checked="" type="checkbox"/> Active	

- Create a new dataset named 'ZKNA01' New Entries button. Business Partner->Control->Data Sets.

**Change View "Data Sets": Overview**

New Entries   

Data Set	Name
ZKNA01	Additional Fields

- Create a new field group named 601 New Entries button. Business Partner->Control->Screen Layout->Field Groups. Set a description and save.

**Change View "Field Groups": Details**

New Entries   

Dialog Structure	Field Group	601
- Field Groups	Field Group for Additional Fields	
- Field Group -> Fields	Function Module	
General Data		
Description: Field Group for Additional Fields		
FM for fd grouping: Function Module		
<input type="checkbox"/> Indiv. Required Field Check <input type="checkbox"/> Table control <input type="checkbox"/> Changes plannable <input type="checkbox"/> Field Grp for Search		
Behavior During Customizing		

- Assign fields to fields group. Table and field name should be added on screen that is created in Z function group.

#### Change View "Field Group -> Fields": Overview

Dialog Structure: Field Group 601 Field Group for Additional Fields  
 Field Group -> Fields  
 Table: KNA1 Field name: ZZ\_FIELD1 Input field:  Not a req. field:

- Create a new view named ZKNA01 New Entries button. Business Partner->Control->Screen Layout-> Views. Set a description. Set Application we created before, same as Data Set. Set program name and screen number. Save the view. Double click on View -> Field Groups. Set field group number we created. Now we should set fm names for before output and after entry.

#### Change View "Views": Details

Dialog Structure: View ZKNA01  
 General Data: Application ZKNA, Differentiation Type 0, Data Set ZKNA01  
 Subscreen: Program Name SAPLZSD\_BP, Screen number 9001  
 Function Module: Before Output (highlighted)  
 Views With Text Object: Text object, Text key  
 Screen Configuration: Initial Screen checked

#### Change View "View -> Field Groups": Overview

Dialog Structure: View ZKNA01 Field Group for Additional Fields  
 View -> Field Groups  
 Fld gr: 601 Description: Field Group for Additional Fields

```

Create a fm for before output named zsd_kna1_pbo. Copy 'CVIC_BUPA_PBO_CVIC03'. Assign fm to Z
function group.
function ZSD_KNA1_PBO.
*"-"
*"*"Local Interface:
*"-"

data:
  lt_kna1  type table of kna1,
  lt_knas  type table of knas.
* step 1: request data from xo for dynpro structure
cvi_bdt_adapter=>data_pbo(
  exporting
    i_table_name = table_name_kna1
  importing
    e_data_table = lt_kna1[]
).
if lt_kna1[] is initial.
  clear gs_kna1.
else.
  read table lt_kna1 into gs_kna1 index 1.
endif.
endfunction.

• Create a fm for after entry named zsd_kna1_pai. Copy 'CVIC_BUPA_PA1_CVIC03'. Assign fm to Z
function group.change
function ZSD_KNA1_PA1.
*"-"
*"*"Local Interface:
*"-"

data:
  lt_kna1      type table of kna1.
field-symbols:
  <kna1>      like line of lt_kna1.
check cvi_bdt_adapter=>is_direct_input_active() = false.
* step 1: update xo memory from dynpro structure
cvi_bdt_adapter=>get_current_bp_data(
  exporting
    i_table_name = table_name_kna1
  importing
    e_data_table = lt_kna1[]
).
if lt_kna1[] is initial.
  if gs_kna1 is not initial.
    gs_kna1-kunnr = cvi_bdt_adapter=>get_current_customer().
    append gs_kna1 to lt_kna1.
  endif.
else.
  read table lt_kna1 assigning <kna1> index 1.
  <kna1>-zz_field1 = gs_kna1-zz_field1.
  endif.
cvi_bdt_adapter=>data_pai(
  i_table_name = table_name_kna1
  i_data_new   = lt_kna1[]
  i_validate   = false
).
endfunction.

Set these fm's to view by Business Partner->Control->Screen Layout->Views.

```

**Change View "Views": Details**

- Create a new section named ZKNA1 New Entries button. Business Partner->Control->Screen Layout-> Sections. Set a description and title.

**Change View "Sections": Overview**

- Select the section we created and double click on Section -> Views. Set item number and view name we created. Save changes.

**Change View "Section -> Views": Overview**

- Create a new screen named ZKNA1 New Entries button. Business Partner->Control->Screen Layout-> Screens. Set a description and screen title. Save changes.

**Change View "Screens": Details**

Screen title	KNA1 Additional Fields Title
Screen type	<input checked="" type="radio"/> Data Screen <input type="radio"/> Initial Screen
Screen origin	<input checked="" type="radio"/> BDT <input type="radio"/> External Screen
Function module	
Tabstrips	<input type="checkbox"/>
Dynpro Type	
<input checked="" type="radio"/> Normal <input type="radio"/> Modal dialog box	Top line Column Left      Column Right
	Bottom line Column Left      Column Right

- Select the screen we created and double click on Screen -> Sections. Set first item section as BUP009 and second number will be section we created. Save changes.

Change View "Screen -> Sections": Overview													
New Entries													
Dialog Structure	Screen      ZKNA1      KNA1 Additional Fields Screens -> Screen -> Sections												
Screen -> Sections	<table border="1"> <thead> <tr> <th>Itc</th> <th>Sect.</th> <th>Description</th> <th>Title</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>BUP009</td> <td>Header Data (General Screens)</td> <td></td> </tr> <tr> <td>2</td> <td>ZKNA1</td> <td>KNA1 Additional Fields Section</td> <td>Additional Fields Section</td> </tr> </tbody> </table>	Itc	Sect.	Description	Title	1	BUP009	Header Data (General Screens)		2	ZKNA1	KNA1 Additional Fields Section	Additional Fields Section
Itc	Sect.	Description	Title										
1	BUP009	Header Data (General Screens)											
2	ZKNA1	KNA1 Additional Fields Section	Additional Fields Section										

- Create a new screen sequence named ZKNA1 New Entries button. Business Partner->Control->Screen Sequences. Set a description and save changes.

Change View "Screen sequences": Overview					
New Entries					
Dialog Structure	Screen sequences -> Screen Sequence -> Screens Screen Sequence Categories -> Screen Sequence Category ->				
Scrn seq.	<table border="1"> <thead> <tr> <th>Scrn seq.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ZKNA1</td> <td>KNA1 Screen Sequence</td> </tr> </tbody> </table>	Scrn seq.	Description	ZKNA1	KNA1 Screen Sequence
Scrn seq.	Description				
ZKNA1	KNA1 Screen Sequence				

- Select the screen seq. we created and double click on Screen Sequence -> Screens. Set item number as screen name that we created. Save changes.

Change View "Screen Sequence -> Screens": Overview									
New Entries									
Dialog Structure	Screen sequences -> Screen Sequence -> Screens Screen Sequence Categories -> Screen Sequence Category ->								
Screen sequence	BUP001      General Data Screen Sequence -> Screens <table border="1"> <thead> <tr> <th>Item</th> <th>Screen</th> <th>Screen title</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>9000020</td> <td>ZKNA1</td> <td>KNA1 Additional Fields Title</td> <td>KNA1 Additional Fields</td> </tr> </tbody> </table>	Item	Screen	Screen title	Description	9000020	ZKNA1	KNA1 Additional Fields Title	KNA1 Additional Fields
Item	Screen	Screen title	Description						
9000020	ZKNA1	KNA1 Additional Fields Title	KNA1 Additional Fields						

- Double click on Screen Sequence Categories. Create a new category named ZKNA1 New Entries button. Visibility is selected.

Change View "Screen Sequence Categories": Overview							
New Entries							
Dialog Structure	Screen sequences -> Screen Sequence -> Screens Screen Sequence Categories -> Screen Sequence Category ->						
Scrn. Seq. Cat.	<table border="1"> <thead> <tr> <th>Scrn. Seq. Cat.</th> <th>Description</th> <th>Divisibility</th> </tr> </thead> <tbody> <tr> <td>ZKNA1</td> <td>Screen Sequence Category</td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table>	Scrn. Seq. Cat.	Description	Divisibility	ZKNA1	Screen Sequence Category	<input checked="" type="checkbox"/>
Scrn. Seq. Cat.	Description	Divisibility					
ZKNA1	Screen Sequence Category	<input checked="" type="checkbox"/>					

- Select the screen seq. cat. we created and double click on Screen Sequence Category -> Screens Sequence. Set screen seq that we created. Standard is selected. Save changes.

**Change View "Screen Sequence Category -> Screen Sequence": Overview**

Scrn. Seq. Cat.	Scrn seq.	Description	Standard
ZRNA1	ZKNA1	KNA1 Screen Sequence	<input checked="" type="checkbox"/>

- Go back to screen sequences. Select BUP001 and double click on Screen Sequence -> Screens. Set item number like 9000000 and set screen we created. Save changes.

**Change View "Screen Sequence -> Screens": Overview**

Item	Screen	Screen title	Description
9000000	ZKNA1	KNA1 Additional Fields Title	KNA1 Additional Fields

- In my example I will create a new tab in FI Customer role(FLCU00). Go to Bussiness Partner-> Control->Divisibility->BP Views.
- Select FLCU00. Assing Data Sets with BP View -> Data Sets. Set Data Set name we created. Save changes.

**Change View "BP Views": Overview**

View	Description	Title
000000	Business Partner (General)	Business Partner (Gen.)
BPP003	Plant	Plant
BKK010	Account Holder	Account Holder
BKK020	Authorized Drawer	Authorized Drawer
BKK030	Bank Statement Recipient	Bank Statement Recipient
BKK200	Account Maintenance Officer	Acct Maintenance Officer
BUP000	Obsolete	Obsolete
BUP001	Contact Person	Contact Person
BUP002	Prospect	Prospect
BUP003	Employee	Employee
BUP004	Organizational Unit	Organizational Unit
BUP005	Internet User	Internet User
CACSA1	Commission Contract Partner	Commission Contract Part.
CACSA2	Commission Clerk	Commission Clerk
CACSA3	Agents	Agents
CBIH10	External Person	External Person
CBIH20	Authority	Authority
CMS001	CMS Collateral Partner	Collateral Partner
CRM000	Sold-To Party	Sold-To Party
CRM003	Payer	Payer
<b>FLCU00</b>	<b>Customer/Vendor Integration: FI Customer</b>	<b>CVI: FI Customer</b>

**Change View "BP View -> Data Sets": Overview**

Set	Name
ZKNA1	Additional Fields



- Double click BP View -> Calling Applications. Set Application we created..Save changes.

**Change View "BP View -> Calling Applications": Overview**

Appl.	Description	Call only?
ZKNA	Additional Fields	<input checked="" type="checkbox"/>

Now we can see additional tab in BP under FLCU00. Events must be defined for this app.

- Go to Business Partner->Control->Events->Business Data Toolset. To set first data we should use ISDAT event. Select ISDAT and double click on Events -> Function Modules. Here we should create a new function in the same fg. ZSD\_KNA1\_EVENT\_ISDAT. Set Call as 'X'. And set app name. Save changes.

FUNCTION zsd\_kna\_event\_isdat.

```
**_
**_"Local Interface:
**_
CALL FUNCTION 'CVIC_BUPA_KNA1_GET'
  IMPORTING
    e_kna1 = gs_kna1.
  kna1-zz_field1 = gs_kna1-zz_field1.
ENDFUNCTION.
```

**Change View "Event -> Function Modules": Overview**

Item	Function module name	Call	Appl.
9000020	ZSD_KNA_EVENT_ISDAT	X	ZKNA

- Turn back to Events. Now we should check if anything is changed in the screen with XCHNG event.

Double click on fms. Here we should create a new function in the same fg. ZSD\_KNA1\_EVENT\_XCHNG. Set Call as 'X'. And set app name. Save changes.

FUNCTION zsd\_kna\_event\_xchng.

```
**_
**_"Local Interface:
**_ EXPORTING
**_   REFERENCE(E_XCHNG) TYPE BOOLE_D
**_
```

```
IF gs_kna1-zz_field1 NE kna1-zz_field1.
  e_xchng = 'X'.
ENDIF.
```

ENDFUNCTION.

**Change View "Event -> Function Modules": Overview**

- Turn back to Events. Now we should set changed values with DSAVB event. Double click on fms. Here we should create a new function in the same fg. ZSD\_KNA1\_EVENT\_DSAVB. Z Structure is created with Z fields. Set Call as 'X'. And set app name. Save changes.

3. FUNCTION zsd\_kna\_event\_dsavb.

```
**_
*"*Local Interface:
**_
```

```
DATA : ls_kna1 TYPE kna1.
ls_kna1 = kna1.
MOVE-CORRESPONDING gs_kna1 TO kna1.
kna1-zz_field1 =gs_kna1-zz_field1.

CALL FUNCTION 'CVIC_BUPA_KNA1_COLLECT'
EXPORTING
  i_subname = 'ZSD_KNA1_S001'
  i_kna1 = kna1.
```

```
ENDFUNCTION.
```

[Click on images to see with original size.](#)

Now everything looks fine. Lets test it.

Now we can get current value and change it. With the same solution we can display/update fields in LFA1, KNB1 etc. We only need to find the right fm's for them. Hopefully it will be useful for you.

Created with Microsoft OneNote 2016.

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# Örnek Standart ALV örnekleri

Wednesday, February 28, 2024 10:55 PM

BCALV\_GRID\_EDIT\_DELTA\_EVENT

BCALV\_SIMPLE\_EVENT\_RECEIVER

BCALV\_TEST\_FULLSCREEN\_EVENTS

BCALV\_TEST\_GRID\_EVENTS

BCALV\_TEST\_HIERSEQ\_LIST\_EVENTS

BCALV\_TEST\_LIST\_EVENTS

BCALV\_TOOLBAR\_EVENT\_RECEIVER

BCALV\_TREE\_EVENT\_RECEIVER

The following are the examples for EDITABLE ALV's.

BCALV\_EDIT\_01

BCALV\_EDIT\_02

BCALV\_EDIT\_03

BCALV\_EDIT\_04

BCALV\_EDIT\_05

BCALV\_EDIT\_06

BCALV\_EDIT\_07

BCALV\_EDIT\_08

Kaynak <<https://community.sap.com/t5/application-development-discussions/reg-se24-events/td-p/2806076>>

# Performans Eğitimi

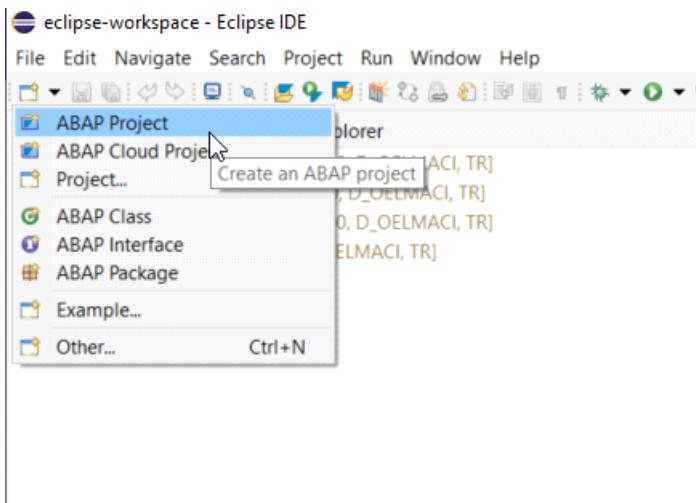
Monday, March 4, 2024 5:46 PM

SM30 ekranı

The screenshot shows the SAP SM30 Runtime Analysis interface. At the top, there are tabs for 'Runtime Analysis', 'Edit', 'Goto', 'Utilities', 'Sistem', and 'Yardım'. Below the tabs, there's a toolbar with various icons. The main area is titled 'Runtime Analysis' and contains sections for 'Measurement' and 'Data Formatting'. In the 'Measurement' section, it says 'The measurement times are reliable'. Under 'Variant', 'Program' is selected, and 'ZTMF\_ONFY\_P001' is highlighted. There are buttons for 'Switch On/Off', 'Evaluate now', and 'Execute'. The 'Evaluate now' button is currently being clicked. Other options like 'In Parallel Session' and 'For User/Service' are also visible.

ST12 Ekranı

The screenshot shows the SAP ST12 Single transaction analysis interface. At the top, there are tabs for 'Utilities', 'Edit', 'Goto', 'Sistem', and 'Yardım'. Below the tabs, there's a toolbar with various icons. The main area is titled 'Single transaction analysis' and contains sections for 'Trace & collect' and 'Collected trace analyses'. In the 'Trace & collect' section, 'Trace for' is set to 'User / Tasks'. Under 'Comment', 'Program' is selected, and 'ZTMF\_ONFY\_P001' is highlighted. There are checkboxes for 'ABAP trace', 'Performance traces', and 'Statistical records (top 20)'. Buttons for 'Execute / start trace' and 'Further opt.' are present. In the 'Collected trace analyses' section, a table shows details of a selected trace analysis: State (Finished), Date (03.03.2024), Size (38.065), Time (10:59:02), Comment (ATRA SQL SSUM ENQ RFC STAT | Report=ZTM...), Duration (9.314), and Tasktype (TCA). A 'Trace analyses' table below shows a single entry: Collect date (03.03.2024), No# (1), Sub (10:59:02 CMFY), and User (CMFY).



Burası öncelikle eklenmesi gereken fieldları çektiğimiz data view kışkırdır. -> ZPM\_005\_ADD\_FIELD

```

@AbapCatalog.sqlViewAppendName: 'ZPM_005_V_OBJEXT'
@EndUserText.label: 'Object Page Maintenance Order Extend View'
extendviewc_ObjMgtInOrderwithZPM_005_083PG_EXT
association: 0..1 to ZPM_005_ADD_FIELD as ZPM_005_ADD_FIELDOnZPM_005_ADD_FIELD.aufnr=$projection.maintenanceorder
(
    @UI.lineItem:[position:30,label:'Arıza Kodu']
    @EndUserText.label:'Arıza Kodu'
    cast(zpm_005_add_field.zzar2asabop_num(5))aszzar2,
    @UI.lineItem:[position:40,label:'Arıza Tanım']
    @EndUserText.label:'Arıza Tanım'
    cast(zpm_005_add_field.zzarztmasabop_char(50))aszzarztm,
    @UI.lineItem:[position:50,label:'Sebep Kodu ']
    @EndUserText.label:'Sebep Kodu'
    cast(zpm_005_add_field.zszbpsabop_num(5))aszZSBP,
    @UI.lineItem:[position:60,label:'Sebep Tanım ']
    @EndUserText.label:'Sebep Tanım'
    cast(zpm_005_add_field.zzszbptmasabop_char(50))aszZSBPTNM,
    @UI.lineItem:[position:70,label:'Cözüm ']
    @EndUserText.label:'Cözüm'
    cast(zpm_005_add_field.zcczmasabop_char(5))aszZZCZM,
    @UI.lineItem:[position:80,label:'Cözüm Tanım ']
    @EndUserText.label:'Cözüm Tanım'
    cast(zpm_005_add_field.zcczmasabop_char(50))aszCCZTMN,
    @UI.lineItem:[position:90,label:'Hesaplanan Öncelik ']
    @EndUserText.label:'Hesaplanan Öncelik'
    cast(zpm_005_add_field.zzhsponecelikasabop_int(10))aszZHSPONCELIK,
    @UI.lineItem:[position:100,label:'Problem ']
    @EndUserText.label:'Problem'
    cast(zpm_005_add_field.zotelsabop_char(5))asOTEIL,
    @UI.lineItem:[position:110,label:'Problem tanım ']
    @EndUserText.label:'Problem tanım'
    cast(zpm_005_add_field.kurtextasabop_char(40))asKURTEXT,//,
    @UI.lineItem:[position:120,label:'Problem kod ']
    @EndUserText.label:'Problem kod'
    cast(zpm_005_add_field.codegruppeasabop_char(3))asCODEGRUPPE//,
    @UI.lineItem:[position:130,label:'Arıza Kod ']
    @EndUserText.label:'Arıza Kod'
    cast(zpm_005_add_field.ariza2asabop_char(5))asariza,,/zzar2_akisa_kod,,,
    @UI.lineItem:[position:140,label:'Sebep kod ']
    @EndUserText.label:'Sebep kod'
    cast(zpm_005_add_field.szbpsabop_char(5))assebep,,/zzsbp_akisa_kod,,,
    @UI.lineItem:[position:150,label:'Cözüm kod ']
    @EndUserText.label:'Cözüm kod'
    cast(zpm_005_add_field.field.cozumasabop_char(5))ascozum,,/zzczm_akisa_kod,,,
    @UI.lineItem:[position:160,label:'Kısa Tanım ']
    @EndUserText.label:'Kısa Tanım'
    cast(zpm_005_add_field.krtexatasabop_char(40))asKRTXT,//,
    @UI.lineItem:[position:170,label:'Vansıma Masraf Veri ']
    @EndUserText.label:'Vansıma Masraf Veri'
    @Consumption_valideDefinition[entity:'zzyanıtma_my',name:'ZPM_000_YANSTITMA_VH'],label:'Yansıtma Masraf Veri ')
    cast(zpm_005_add_field.zpm_002_e_zyanıtma_my)aszyanıtma_my,,/ 11.06.2021
    @UI.lineItem:[position:180,label:'Tahmini Süre ']
    @EndUserText.label:'Plan Süre'
    zpm_005_add_field.zplansureazzplansure,
    @UI.lineItem:[position:190,label:'Plan Süre Birimi ']
    @EndUserText.label:'Plan Süre Birimi'
    zpm_005_add_field.zplansurebmazzplansurebm,
    @UI.lineItem:[position:200,label:'Proje/LN No ']
    @EndUserText.label:'Proje/LN No'
    zpm_005_add_field.zplansurebmazzplansurebm,
    @UI.lineItem:[position:210,label:'İstekli Önceliği ']
    @EndUserText.label:'İstekli Önceliği'
    zpm_005_add_field.zistkonlk,
    @UI.lineItem:[position:220,label:'Enerji kayıplı is ']
    @EndUserText.label:'Enerji kayıplı is'
    cast(zpm_005_add_field.msausaszpm_002_e_msous)asmsaus,
    @UI.lineItem:[position:240,label:'Proses İstemi Güvenliği ']
    @EndUserText.label:'Proses İstemi Güvenliği'
    cast(zpm_005_add_field.zpprocess_isleri_guvenligiaspm_005_de_zpprocess_isleri_gu)aszpprocess_isleri_gu,,/ 06.03.2024-
BDEMITAS/DELMACI
// _faultWH
// _faultWH
);
}

//define view ZPM_001_ADD_FIELD
//as select from
// drad
//
//drad.objky ,
//@UI: {lineItem: {position: 17, importance: #HIGH, label: 'Ek Sayısı'}}
//@EndUserText: {label: 'Ek Sayısı'}
//count(*) as ek_sayı
// where drad.dokob = 'PMQME1' group by drad.objky ;

```

Burada oluştururlular.

```

+ ZPM_005 (14) Production Maintenance Order Project
  + Authentication (3)
  + BAPI Utility (5)
  + Core Data Services (13)
  + Data (1)
  + Data Dictionary (1)
  + ZLPM (1) Log - ChangeLogOrderExt Log
  + ZLPM_ORDER_CHANGELOG_BASZ PMR Sipariş değişiklik Uygulama Basız
  + ZLPM_ORDER_CHANGELOG_BASZ2 PMR Sipariş değişiklik Uygulama Basız
  + ZLPM_005 (1) Object Page Maintenance Order Extend View
  + ZLPM_005_EXPRESS PMR Hizmete Tırnak Uygulama
  + ZLPM_005_EXPRESS_BASZ PMR Hizmete Tırnak Uygulama Basız
  + ZLPM_005_HAZARAKTAR (1) Object Page Maintenance Order Extend View
  + ZPM_003_VH_ALART ZPM_003_VH_ALART
  + ZPM_003_VH_ALART2 ZPM_003_VH_ALART
  + ZTEST Test

```

<https://blogs.sap.com/2019/10/25/part5-cds-view-extension/>

<https://blogs.sap.com/2017/09/08/how-to-create-simplest-flori-application-locally-step-by-step-from-cds-view-to-fiori-launchpad-part-1/>

<https://wiki.sdn.sap.com/wiki/display/B1/CDS+View+Example+16>

<https://saplearners.com/virtual-elements-in-abap-cds-view/>

• READ\_TEXT Fonksiyonu ile cds üzerinde işlem yapabilmek için aşağıdaki örenkten yararlanabiliriz

[https://blogs.sap.com/2020/04/07/read-long-texts-using-read\\_text-in-cds-views/](https://blogs.sap.com/2020/04/07/read-long-texts-using-read_text-in-cds-views/)

Part#5. CDS View Extension  
SAP provides multiple standard CDS view related to each functional module and also during a project implementation you will create tons of CDS custom views. Since the CDS views are just virtual da...

<https://community.sap.com/15/technology-blogs-by-sap/how-to-build-drop-down-list-based-on-fixed-value-defined-in-a-domain/ba-p/1317766> combobox için fala örnek link

# Sorgu içinde case kullanımı CDS

Wednesday, March 6, 2024 5:54 PM

```
@AbapCatalog.sqlViewName: 'ZPM_005_V_OBJADD'
@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: 'Object Page Maintenance Order Add Field'
@AbapCatalog.viewEnhancementCategory: [#PROJECTION_LIST]
define view ZPM_005_ADD_FIELD
as select from afih
// INNER JOIN @it_aufnr AS it_aufnr ON it_aufnr~aufnr EQ afih~aufnr
left outer join zpm_003_t_ariza      on zpm_003_t_ariza.zzarz = afih.zzarz
left outer join zpm_003_t_sebep     on zpm_003_t_sebep.zzsdp = afih.zzsdp
left outer join zpm_003_t_co zum    on zpm_003_t_co zum.zzc zm = afih.zzc zm
left outer join zpm_005_v_fenum as fenum on fenum.qmnum = afih.qmnum
left outer join viqmfe          on viqmfe.qmnum = fenum.qmnum
and viqmfe.fenum = fenum.fenum
// left outer join viqmfe on viqmfe.qmnum = afih.qmnum
left outer join qpct          on qpct.code   = viqmfe.oteil
and qpct.codegruppe = viqmfe.otgrp
and qpct.sprache  = 'T'
left outer join caufv        on caufv.aufnr = afih.aufnr
left outer join qmel        on qmel.qmnum = afih.qmnum
left outer join qmih        on qmih.qmnum = afih.qmnum
left outer join viaufks     on viaufks.aufnr = afih.aufnr //06.03.2024-
BDEMIRTAS/OELMACI
left outer join equz        on equz.equnr = viaufks.equnr
left outer join iloa as il1  on il1.illoan = equz.illoan
left outer join iflot       on iflot.tplnr = viaufks.tplnr
left outer join iloa as il2  on il2.illoan = iflot.illoan

{
afih.aufnr,
afih.zzarz,
zpm_003_t_ariza.zzarztnm,
afih.zzsdp,
zpm_003_t_sebep.zzsdpnm,
afih.zzc zm,
zpm_003_t_co zum.zzc zmtnm,
afih.zzhsp oncelik,
viqmfe.oteil,
qpct.kurztext,
qpct.codegruppe,
zpm_003_t_ariza.akisa_kod as ariza, //zzarz_akisa_kod,
zpm_003_t_sebep.akisa_kod as sebep, //zzsdp_akisa_kod,
zpm_003_t_co zum.akisa_kod as co zum, //zzc zm_akisa_kod,

//REPLACE(REPLACE(REPLACE(upper(caufv.ktext), 'A', '5'), 'C', 9), 'D', 4)
upper(caufv.ktext)  as ktext,
//REPLACE ( caufv.ktext, '$', 'S') as ktext
// afih.zzarz,
// zpm_003_t_ariza.zzarztnm,
// afih.zzsdp,
// zpm_003_t_sebep.zzsdpnm,
// afih.zzc zm,
```

```

// zpm_003_t_cozum.zzcmtnm,
// viqmfe.oteil,
// qpct.kurztext
afih.zzyansitma_my, //11.06.2021 eklendi
afih.zzplansure, //
afih.zzplansurebrm,
afih.zzprojeln,
afih.zzyorum,
qmel.zzistkonclk,
qmih.msaus,
//afih.zzprocess_isleri_guvenligi //06.03.2024-BDEMIRTAS/OELMACI

case viaufks.equnr
when '' then
  case viaufks.tplnr
    when '' then
      case viaufks.abckz
        when 'C' then 'X'
        when 'E' then 'X'
        when 'G' then 'X'
        when 'H' then 'X'
        else '' end
    else
      case il2.abckz
        when 'C' then 'X'
        when 'E' then 'X'
        when 'G' then 'X'
        when 'H' then 'X'
        else '' end
    end
  else
    case il1.abckz
      when 'C' then 'X'
      when 'E' then 'X'
      when 'G' then 'X'
      when 'H' then 'X'
      else '' end
  end
end as zzprocess_isleri_guvenligi

//afih.zzprocess_isleri_guvenligi //06.03.2024-BDEMIRTAS/OELMACI
}
//where zpm_003_t_ariza.zzarz = '1';

//define view ZPM_001_ADD_FIELD
//as select from
// drad
//
//{
//drad.objky ,
//@UI: {lineItem: {position: 17, importance: #HIGH, label: 'Ek Sayısı'}}
//@EndUserText: {label: 'Ek Sayısı'}
//count(*) as ek_sayi
//} where drad.dokob = 'PMQMEL' group by drad.objky ;

```

# CDS yapısında CASE kullanımı

Thursday, March 7, 2024 2:24 PM

```
case afih.zzprocess_isleri_guvenligi
  when 'X' then 'X'
  else
    case viaufks.equnr
      when '' then
        case viaufks.tplnr
          when '' then
            case viaufks.abckz
              when 'C' then 'X'
              when 'E' then 'X'
              when 'G' then 'X'
              when 'H' then 'X'
              else ''
            end
          else
            case il2.abckz
              when 'C' then 'X'
              when 'E' then 'X'
              when 'G' then 'X'
              when 'H' then 'X'
              else ''
            end
          end
        else
          case il1.abckz
            when 'C' then 'X'
            when 'E' then 'X'
            when 'G' then 'X'
            when 'H' then 'X'
            else ''
          end
        end
      end
    end
  end as zzprocess_isleri_guvenligi
```

# ABAP Select'lerinde CASE kullanımı

Thursday, March 7, 2024 2:24 PM

# User Exit

Friday, March 8, 2024 11:07 AM

User exit bulmanın yollarından birkaçını not alıyorum.

İlgili TCODE'a gidip sistem durum yapılır ve daha sonra işlem kısmında yazan TCODE üzerine çift tıklanır. SE93 ekranına atar bizi aslında ve oradan ilgili paketi buluruz. Sonrasında SMOD ekranında Utilities kısmından Find yaparız ve package ismini yazarız. O paketteki ilgili user-exit isimlerini açıklamalarla beraber bize verecektir. SE84 ekranından enhancements klasörü altında Customer Exits altında Enhancemenets 'e bastığımızda açılan ekranın da aynı işlemi yapabiliriz.

**Repository Info System: Find Exits**

Repository Information System

List Archive

Objects

- Repository Information System
  - Development Coordination
  - Business Engineering
  - ABAP Dictionary
  - Program Library
  - Class Library
  - Web Dynpro
  - BSP Library
  - Enterprise Services
  - Enhancements
    - Business Add-Ins
    - Customer Exits
      - Enhancements
      - Projects
    - Enhancement Implementations
    - Composite Implementations
    - Enhancement Spots
    - Composite Enhancement Spots
  - Test Objects
  - Other Objects

Standard selections

Exit name

Short text

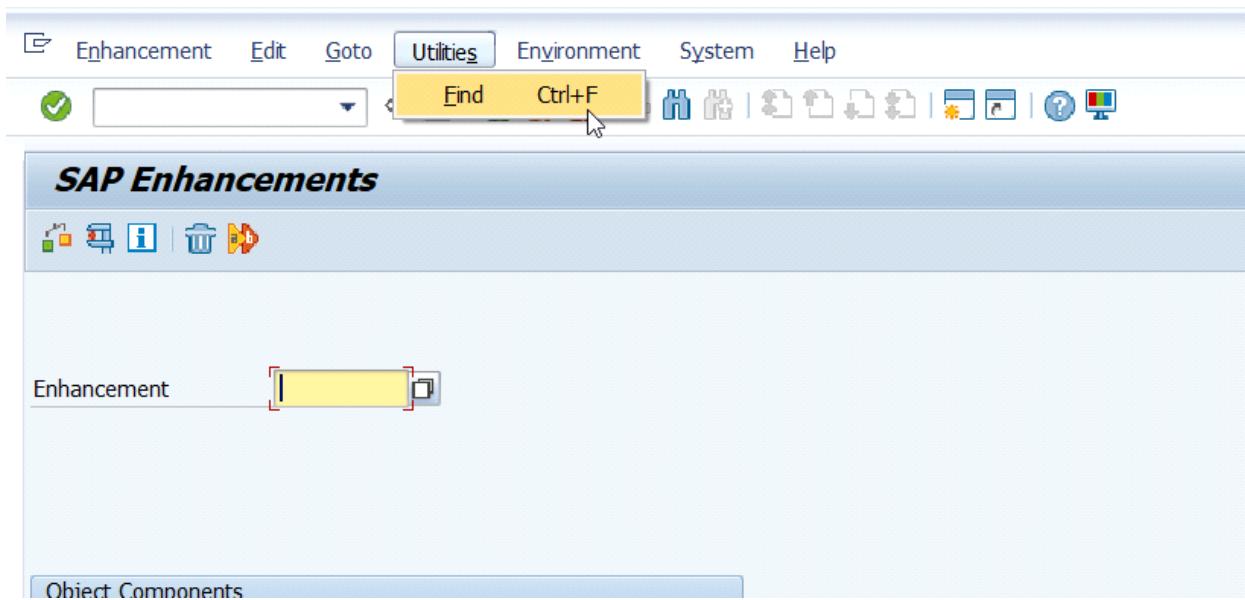
Package

Application Component

Settings

Maximum No. of Hits 200

Burası SE84 ekranı



# Cache Temizleme işlemi

Monday, March 11, 2024 10:15 AM

dil  
/\$TAB

Sırasıyla TCODE yazlığımız bölüme yazılır ve çalıştırılırlar

# Canlıda Değişiklik

Wednesday, March 13, 2024 12:39 PM

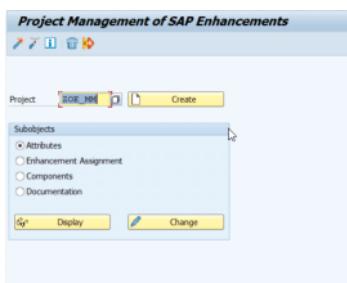
RS\_REPAIR\_SOURCE

## Screen Exit - ME21n

Friday, March 15, 2024 12:42 PM

**SMOD** üzerinden bulunan enhancement alınır.

**CMOD**dan proje oluşturulur:



Change'e basılır:

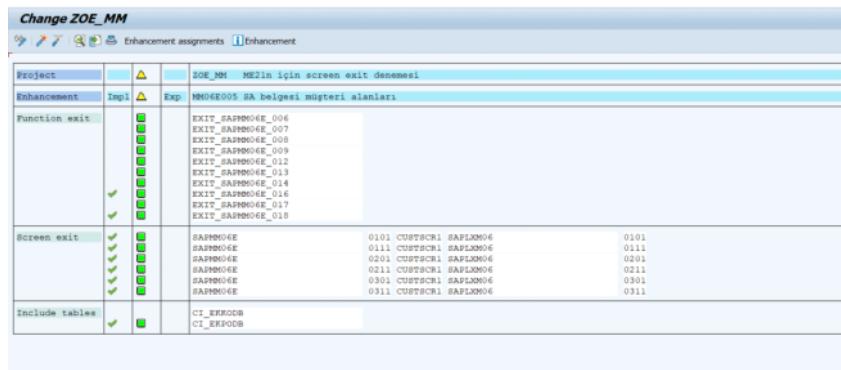
The screenshot shows the 'Attributes of Enhancement Project ZOE\_MM' dialog. It displays the enhancement assignment 'MM06E005 SA belgesi müsteri alanları' with various fields like Project, Package, Original language, Created by, Last Changed On, and Activation status.

Enhancement Assignments Adına girilir:



İlgili enhancement buraya yazılır ve enter'a basılır.

Daha sonra Components adınına geçilir:



Use MM06E005 enhancement to add fields in screen of ME21n

SAPMM06E 0101 CUSTSCR1 SAPLXM06 0101 Subscreen: PO header

SAPMM06E 0111 CUSTSCR1 SAPLXM06 0111 Subscreen: PO item

SAPMM06E 0201 CUSTSCR1 SAPLXM06 0201 Subscreen: agreement header

SAPMM06E 0211 CUSTSCR1 SAPLXM06 0211 Subscreen: agreement item

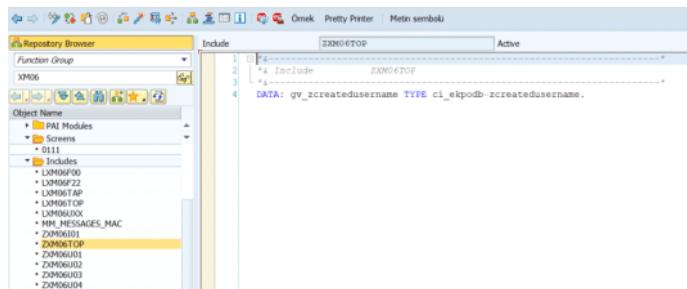
SAPMM06E 0301 CUSTSCR1 SAPLXM06 0301 Subscreen: RFQ header

SAPMM06E 0311 CUSTSCR1 SAPLXM06 0311 Subscreen: RFQ item

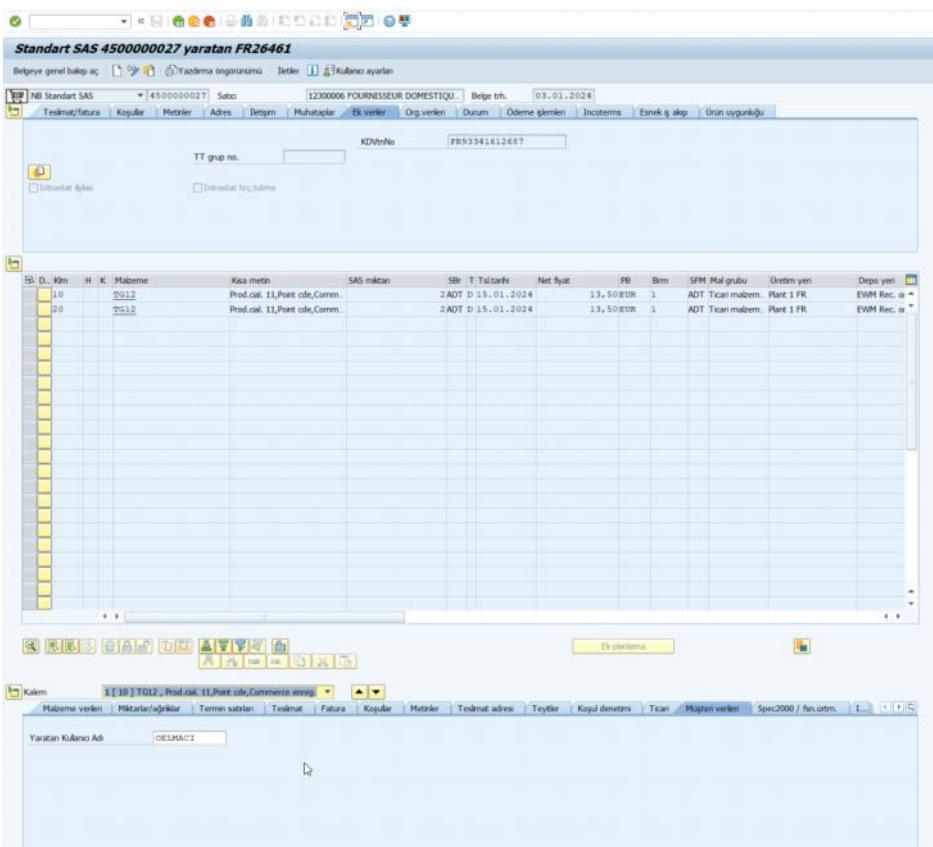
Burada ilgili yerlerde değişiklikler yapılır. Örnek için link de ekliyorum. -> <https://community.sap.com/t5/application-development-discussions/adding-new-fields-in-me21n-screen-exit-enhancement/m-p/4687010>

Include tables kısmındaki include'lara da ekleme yapıyoruz. Çünkü ekranда kullanacağız.

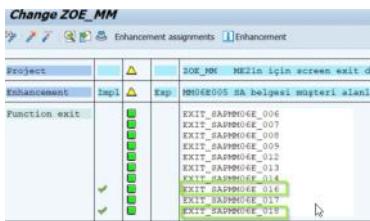
Ekran yaratma kısmında ise layout editor içinde alanı eklerken gv\_zcreatedusername gibi ekleip bu değişkeni yine Z'li bir top include var orada tanımlamalıyız.



Bu şekilde olduğu gibi.



Bu şekilde ME23n ekranından görüür olduğunu alınız. Peki buradan değeri görüntülemek veya değiştirmek veritabanına kaydolmasını istediğimizde ne yapıyoruz? İlgili exitler ile bu işlemleri yapıyoruz.



EXIT\_SAPMM06E\_016 -> bu exit aslında veriyi okupuyoruz. Import export gibi parametreler bize bunu anlamamız için yardımcı oluyor.

```

Include ZMM06041 Active
1  *#* Include ZMM06041
2  *
3  *
4  *".
5  **"Funktion: Interface!
6  **" IMPORTING
7  **"   VALUE(I_EKPO) LIKE EKPO STRUCTURE EKPO
8  **"   VALUE(I_AEKPO) LIKE EKPO STRUCTURE EKPO
9  **"   VALUE(I_CI_EKPO) LIKE EKPO_CI STRUCTURE EKPO_CI
10 **"  VALUE(I_BCTV) LIKE EKPO_BCTV
11 **"  VALUE(I_NO_SCREEN) LIKE EKPO_NO_SCREEN
12 **"  VALUE(I_LPAI) LIKE LPAI STRUCTURE LPAI
13 **"  VALUE(I_ERAN) LIKE ERAN STRUCTURE ERAN
14 **"  VALUE(I_ERENO) LIKE ERENO STRUCTURE ERENO
15 **"  VALUE(I_EROPT) LIKE ERENO OPTIONAL
16 **"  VALUE(I_EREOVO) LIKE ERENO STRUCTURE ERENO OPTIONAL
17 **"  VALUE(I_EREPO) LIKE EREPO STRUCTURE EREPO OPTIONAL
18 **"  VALUE(I_ERANR) LIKE ERANR STRUCTURE ERANR OPTIONAL
19 **"  VALUE(I_ERANR) LIKE ERANR STRUCTURE ERANR OPTIONAL
20 **"  VALUE(I_ERANR) LIKE ERANR STRUCTURE ERANR OPTIONAL
21 **"  VALUE(I_EINA) LIKE EINA STRUCTURE EINA OPTIONAL
22 **"  VALUE(I_EINRA) LIKE EINRA STRUCTURE EINRA OPTIONAL
23 **"  VALUE(I_ERNO_OGL) LIKE ERENO STRUCTURE ERENO OPTIONAL
24 **"  VALUE(I_KOND) LIKE KOND STRUCTURE KOND OPTIONAL
25 **"  VALUE(I_EML_CALL) OPTIONAL
26 **"  TABLES
27 **"    EKPO STRUCTURE EKPO OPTIONAL
28 **"    TERRT STRUCTURE TERRT OPTIONAL
29 **"    TERRN STRUCTURE TERRN OPTIONAL
30 **"    TERRM STRUCTURE TERRM OPTIONAL
31 **".
32 CLEAR gv_zcreatedusername.
33 REVERSE tempo ASSIGNING FIELD-SYMBOL(<iife_ekpo>). WITH KEY ebeln = i_ekpo-ebeln ebelp = i_ekpo-ebelp.
34 IF sy-subrc Eq 0.
35   gv_zcreatedusername = <iife_ekpo>-zcreatedusername.
36 ENDIF.

```

EXIT\_SAPMM06E\_018 -> bu exit ise veriyi değiştirdiğimizde hafızada tutmasını ve kaydet butonuna basılıncaya veri tabanına kaydolmasını sağlıyor.

```

Include ZMM06040 Active
1  *#* Include ZMM06040
2  *
3  *
4  *".
5  **"Funktion: Schnittstelle:
6  **" IMPORTING
7  **"   VALUE(I_UCOMMO) LIKE SY-UCOMM
8  **"   EXPORTING
9  **"     VALUE(I_C_UPDATE) LIKE SY-CALLS
10 **"     VALUE(E_UCOMMO) LIKE SY-UCOMM
11 **"   CHANGING
12 **"     VALUE(E_CI_EKPO) LIKE EKPO_CI STRUCTURE EKPO_CI OPTIONAL
13 **".
14 E_CI_EKPO-zcreatedusername = gv_zcreatedusername.

```

**EKPO: Bulunan giriş görüntüsü**

İzlenecek tablo: EKPO Satınalma belge kalem  
Uzman sayısı: 2 Azamı bulunan sayı: 500  
İpt. no.:  
Ürün ekle:

Satınalma tarihi	Kullanıcı adı	Kira/Belge kalem	S. D.	Değişiklik tarihi	Kesici metin	Malzeme	Malzeme	SK	ÜY	DüYR	DüYD
4500000027	OELMACI	10	450000002700010	15.03.2024	Prod.cat. 11_Paint code,Commerce enreg.	TG12	TG12	1210	1210	1210	1210
4500000027	OELMACI-TEST	20	450000002700020	15.03.2024	Prod.cat. 11_Paint code,Commerce enreg.	TG12	TG12	1210	1210	1210	1210

Yapılan değişiklikler database' e geldi

# CO03 double click ile çağrıma

Thursday, March 21, 2024 11:01 AM

```
method handle_double_click.  
  
READ TABLE GT_ALV INTO GS_ALV INDEX E_ROW-INDEX.  
IF sy-subrc IS INITIAL AND E_COLUMN-fieldname EQ 'AUFNR'.  
  SET PARAMETER ID 'ANR' FIELD GS_ALV-aufnr.  
  
  CALL TRANSACTION 'CO03' AND SKIP FIRST SCREEN.  
ENDIF.  
  
ENDMETHOD.          "handle_double_click
```

SET PARAMETER ID 'MAT' FIELD rs\_selfield-value.

CALL TRANSACTION 'MM03' AND SKIP FIRST SCREEN.

Kaynak <<https://community.sap.com/t5/application-development-discussions/how-to-call-a-screen-t-code-by-double-clicking-on-the-output-of-an-alv/td-p/6022311>>

YEFT052 gibi NTT'nin Paketlerinin kullanıldığı programlarda geliştirme yaptıktan sonra SPAU\_ENH tcode'una gidilir.

The screenshot shows the SAP Enhancement Implementation screen for the enhancement code `/EFT/NO_EKES_UPDATE`. The interface includes a toolbar at the top with various icons for navigation and actions. Below the toolbar, there are several tabs: Properties, History, Technical Details, Adjustment, and Enh. Implementation Elements. The Adjustment tab is currently active. On the left, there's a sidebar titled 'Enhancement Info System' with sections for Enhancements (Upgrade View) and Object Name. Under Object Name, there are categories like Overall View Enhancements UPGR, Composite Enhancement Implemen, and Enhancement Implementations, with `/EFT/NO_EKES_UPDATE` selected. The main area displays a 'Conflict List' table with columns for Priority, Status, Enhancement Option, Conflict Type, Program, Include Name, and Line. One conflict is listed: Medium priority, Enhancement Exit MV50AF0B\_BESTELLUNG\_EKES\_FUE\_5, Change Before an Enhancement Implementation Element SAPMV50A MV50AF0B\_BESTELLUNG\_EKES\_FUELL, and Line 39. There are also buttons for 'Conflict', 'Adjust Enhancement Implementation', and 'Long Text'.

Enhancement implementations kısmından ilgili enhancement seçilir. Adjustment tabına gidilir. Conflict'e basılır ve nerelerin değiştiği görünür ve onaylıyorsak Adjust Enhancement Implementation butonuna basılır.

# Popup ile veri alma

Thursday, April 4, 2024 4:00 PM

```
data:ivals typetableofsval.data:xvals typesval.xvals-tabname ='USR01'.xvals-fieldname  
='BNAME'.appendxvals toivals.callfunction'POPUP_GET_VALUES'exportingpopup_title  
='What is your name?'tablesfields=ivals  
 exceptionserror_in_fields =1others=2.readtableivals intoxvals withkeyfieldname  
='BNAME'.ifsy-subrc =0.write:/ xvals-value.endif.
```

Kaynak <<https://community.sap.com/t5/application-development-discussions/popup-to-get-value/m-p/2786510>>

# FI belgesi yaratma bapisi wrbtr ve dmbtr

Thursday, April 18, 2024 2:29 PM

FI belgesini bapi ile yaratırken wrbtr ve dmbtr bilgilerini

it\_currencyamount-amt\_doccur

Kaynak <<https://community.sap.com/t5/enterprise-resource-planning-q-a/fm-bapi-acc-document-post/qaq-p/6970470>>

Yukarıda görüldüğü gibi currency camount ile ilgili olan yere yazıyoruz. Amt\_doccur alanına ilgili wrbtr veya dmbtr bilgisini veriyoruz.

Örnek için incelenebilecek program -> Diler Sistemde **ZFI0870 tcode'u -> ZFI\_043\_P\_EXCEL\_TO\_SAP\_UP2 programı**

# Assign component field of structure örnek

Thursday, April 25, 2024 11:09 AM

```
DATA: lv_field1 TYPE char30.  
      DATA: lv_field2 TYPE char30.  
      DATA: lv_week LIKE scal-week.  
      FIELD-SYMBOLS: <lv_gstrp> TYPE any,  
      <lv_addat> TYPE any.  
  
      CALL FUNCTION 'DATE_GET_WEEK'  
        EXPORTING  
          date = <lfs_object>-gstrp  
        IMPORTING  
          week = lv_week.  
  
      IF lv_week+0(4) EQ <lfs_object>-gstrp+0(4).  
        CONCATENATE 'W' lv_week+4(2) '_GSTRP' INTO lv_field1.  
        CONCATENATE 'W' lv_week+4(2) '_ADDAT' INTO lv_field2.  
  
        ls_cell_color-fname = lv_field1.  
        append ls_cell_color to <lfs_object_tab>-cellcolors.  
  
        ls_cell_color-fname = lv_field2.  
        append ls_cell_color to <lfs_object_tab>-cellcolors.  
  
      ASSIGN COMPONENT lv_field1 OF STRUCTURE <lfs_object_tab> TO <lv_gstrp>.  
      <lv_gstrp> = <lfs_object>-gstrp.  
  
      ASSIGN COMPONENT lv_field2 OF STRUCTURE <lfs_object_tab> TO <lv_addat>.  
      <lv_addat> = <lfs_object>-addat.  
      ENDIF.
```

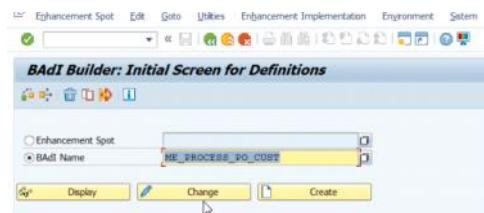
## BADI'ler ile çalışma

Thursday, April 25, 2024 5:19 PM

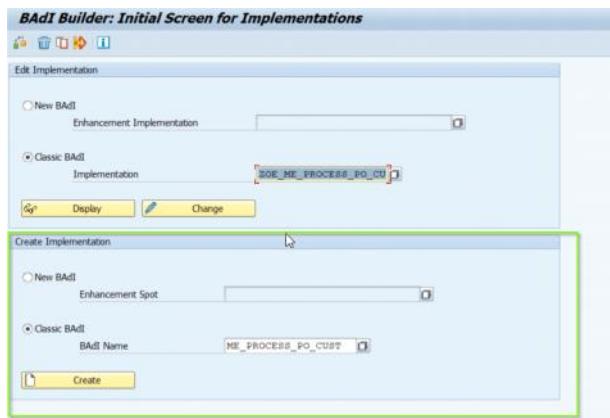
SE18'den BADI incelemesi yapılır.

İncelenen BADI'nin uygunluğu okeyse se19 ekranından ilgili BADI implemente edilmek üzere yaratılır.

SE18 ekranı:

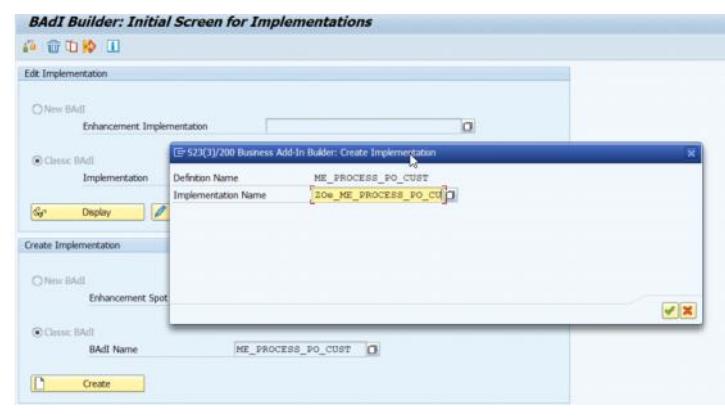
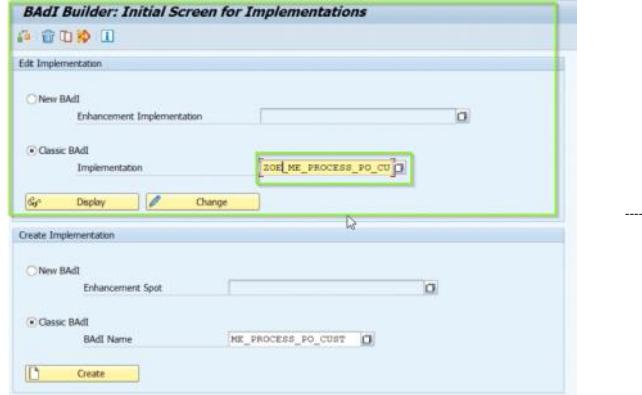


SE19 ekranı:



Burada BADI İsmi yazılır ve daha sonra create butonuna basılır.

Daha sonrasında bu implementation'i görüntülemek için ise yine aynı se19 ekranından aşağıdaki yolu izliyoruz:



Buradaki gibi implementation name yazıyoruz.

Business Add-In Builder: Display Implementation ZOE_ME_PROCESS_PO_CU		
Definition Document Documentation		
Implementation Name	ZOE_ME_PROCESS_PO_CU	Active
Implementation Short Text	Me2In Ekranı kontroler	
Definition Name	ME_PROCESS_PO_CUST	
Runtime Behavior	Uygulama çalıştırır	
Properties	Interface	
Interface name	I_F_EX_ME_PROCESS_PO_CUST	
Name of Implementing Class	ZCL_IM_OE_ME_PROCESS_PO_CU	
Method	Implementation type	Description
INITIALIZE	ABAP	Ir Short Description ed Once Only)
OPEN	ABAP	Open a Purchase Order
PROCESS_HEADER	ABAP	Processing of Header Data
PROCESS_ITEM	ABAP	Processing of Item Data
PROCESS_SCHEDULE	ABAP	Processing of Delivery Schedule Line Data
PROCESS_ACCOUNT	ABAP	Processing of Account Assignment Data
CHECK	ABAP	Closing Check
POST	ABAP	Post
CLOSE	ABAP	Closing Processing
FIELDSELECTION_HEADER_REFKEYS	ABAP	Field Selection Reference Key Document Header
FIELDSELECTION_HEADER	ABAP	Special Field Selection Header
FIELDSELECTION_ITEM_REFKEYS	ABAP	Field Selection Reference Key Document Item
FIELDSELECTION_ITEM	ABAP	Special Field Selection Item

Burada görüldüğü gibi içine kod yazabileceğimiz metodlar görünükmektedir. Burada çift tıklayıp metodun içine girdi kodlarınıza yazabiliriz.

IW32 ekranına screen-exit

Tuesday, April 30, 2024 11:01 AM

**ABAP düzenleyici: Include ZXWOCZZZ Display**

The screenshot shows the SAP ABAP IDE interface. The top navigation bar includes 'File', 'Edit', 'Search', 'View', 'Format', 'Tools', 'Help', 'Pretty Printer', and 'Hilfesymbole'. The left sidebar is the 'Repository Browser' containing sections for Function Group, Object Name, Dictionary Structures, PAI Modules, and GUI Status. The 'Object Name' section is expanded, showing entries like 'ZXWOCZZZ' and 'ZXWOCZZZ Display'. The main area is the 'Code Editor' for 'ZXWOCZZZ' which contains the following code:

```

Include ZXWOCZZZ Active

1  *+* Include ZXWOCZZZ
2  *+* Module ZUSER_COMMAND_0900 INPUTS
3  *+*
4  *+*
5  *+*
6  *+*
7  *+*
8  *+*
9  DATA: ok_code LIKE sy-ucomm.
10  CONTROLS: tabstrip TYPE TABSTRIP.
11  MODULE user_command_0900 INPUT.
12  CASE selection.
13    WHEN 'TAB1'.
14      tabstrip activetab = 'TAB1'.
15    WHEN 'TAB2'.
16      tabstrip activetab = 'TAB2'.
17    WHEN OTHERS.
18      ENDCASE.
19  ENDMODULE.
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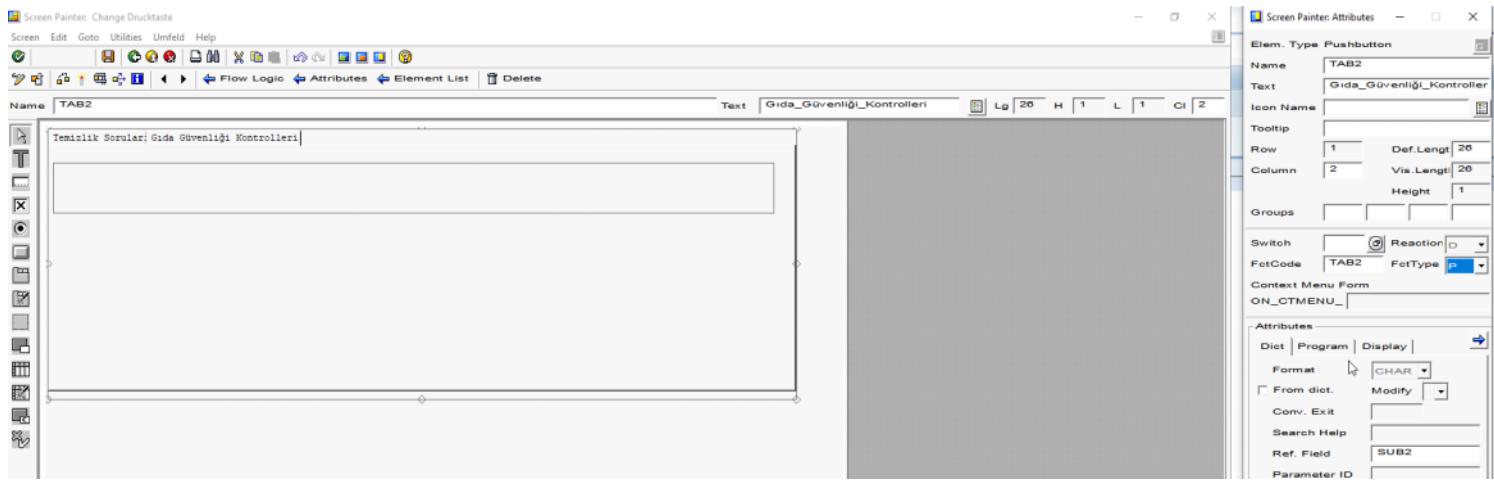
```
Screen number 900 : Active
Attributes Element list Flow logic

1 PROCESS BEFORE OUTPUT.
2 MODULE status_0900.
3 MODULE getdata_0900.
4
5 CALL SUBSCREEN sub1 INCLUDING sy-repid '0901'.
6 CALL SUBSCREEN sub2 INCLUDING sy-repid '0902'.
7
8 PROCESS AFTER INPUT.
9 MODULE user_command_0900.
10 CALL SUBSCREEN sub1.
11 CALL SUBSCREEN sub2.
```

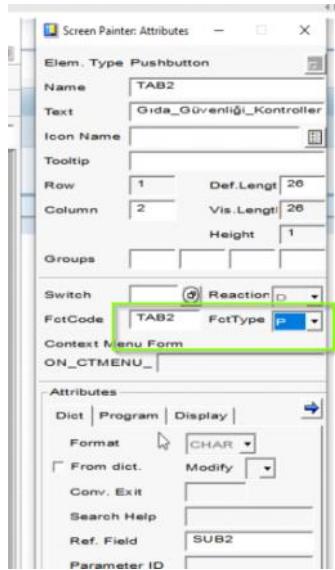
Tab strip özelliğini kullanmak için gerekliydi.

## Tabstrip ile tab geçenken alınan V0104 hatası

Tuesday, April 30, 2024 11:39 AM



Tabstrip için tanımlanan function code'un tipinin P olarak ayarlanması gerekiyor.



Screen-Exit'lerle eklenen veya normalde olan tab ekranlarının isimlerinin değiştirilmesi

Tuesday, April 30, 2024 11:41 AM

**Ariza Siparişi 1002365 değişitir: BAŞLIK**

Sistem durumu: **BAŞLIK** | **İŞLEMİLER/MALZEMELER** | **MASHAFALAR** | **TEMİZLİK ve GIDA GÜVENLİK KONTROLÜ**

Birim: 10002275

Buradaki isimlerin değiştirilmesi SPRO işlem kodundaki uyarlamalar ile yapılabilir.

#### Uygulama kılavuzunu görüntüle

Mevcut BC kümeleri: **SPRİNG İÇİN SPARİNG İŞLEMLERİ** | **SPRİNG İÇİN SPARİNG İŞLEMLERİ** | **Değişiklik günlüğü** | **Diger nesnelerin yönetimi**

**Yapı:**

- Satış ve dağıtım
  - Malzeme yönetim
  - Governance, Risk and Compliance
  - Lojistik yönetim
    - SCM Executive Warehouse Management
    - Nakliye yönetimi
    - Kalkınma yönetimi
    - Bakım/onarım ve müşteri hizmetleri
      - Bakım/onarım ve müşteri servisleri ana verileri
      - Bakım planları, syterler, şplanları ve UYA
      - Bakım/onarım ve müşteri giderleri
      - Temel ayıarlari
      - Bakım onarım ve servis hizmetlerini
      - Bakım onarım ve servis süreçlerini
      - SPRİNG CS üzerinde stok beklemesi
        - Sparfüm türleri için spesiyal ayarlar
        - Genel veriler
        - Muhafaz
        - Terminasyon
        - Revizyonları arat
        - Üretim yardımına aranın tayini
        - Yardımcı denetimi
        - İleti denetimi
        - İstek denetimi
        - Sparfüm boyut verilen (PM) ve CS'lerden segmen belki
        - Sparfüm boyut verilen (CS) için al. 001, zemin belki
        - Sparfüm şartlı (PM ve CS) için al. 001, zemin belki
        - Bileşenler (PM ve CS) için abn segmen belki
        - Katalog üzerinden tedarik için arayız (OCI)
        - Liste düzenlemesi
      - Rakamınının tamamı

#### Uygulama kılavuzunu görüntüle

Mevcut BC kümeleri: **SPRİNG İÇİN SPARİNG İŞLEMLERİ** | **SPRİNG İÇİN SPARİNG İŞLEMLERİ** | **Değişiklik günlüğü** | **Diger nesnelerin yönetimi**

**Yapı:**

- PM/CS sparfümlerde stok beklemesi
  - Sparfüm türleri için spesiyal ayarlar
  - Servis sparfümleri için fresh limiti kontrolo, satıcı belgesi türleri
  - Venitleme şemaları için sparfüm türlerinin göstergesi
  - Sparfüm türleri ve yılın yönetimi
  - Numara alanları oluştur
  - Sparfümlerin planlama yapın öncem yerlerine tayıni
  - Bakım onarım ve servis sparfüm türleri kontrol türleri tayıni
  - Sparfüm türleri için öncem planlama göstergesi tanımlaması
  - İstek denetimi tercih et
  - Adres ve İleti türleri için en fazla tane sınırlaması
  - Genel sparfüm verilen için varsayılan değer profiliinin yatırılması
  - İt plan verilen ve profili tayini için varsayılan değerler
  - Müşteri yüküme kuralları: Daha fazla kurallar zm ve yetkilisine belleklerini
  - Bakım ve onarım sparfümleri için standart hesaplaşma kuralları belirtin
  - Teknik zamamıma için referans zamanı önsunesine tanımlanması
  - Yatırım programı ya da proje devamlılık beli
  - ITM program tayinleri için farklı alanları tanımla
  - Birim türlerinin sparfüm türlerine tayı et
  - Birim türlerinin sparfüm türlerini beli
  - Birim entegrasyonun ve sparfüm entegrasyonunun tanımlanması
  - Dönüşüm analizi
  - BO adıtlı türleri
  - BO ve servis sparfümleri olmuyor hessaplama veren
  - Değişiklik belgesi; toplu sub. BA, talebi, MIP bilgisini tanımla
  - Sparfümler için iş akış ayarları
  - Sparfüm türlerinde hareketler
  - Haberleşme A ve kapeste ion kullanılabilirlik kontrolü
  - Birim türlerin loca türlerini standart metrin tayıni
  - Birim spars verilen
  - Genel profilin tayıni
  - Genel profilin sparfüm türlerine tayı et

#### "Kartotekler" görünümünü değiştir: Genel bakış

Tablo görünümü | Dizgözlü | Gör | Segm | Yardımcı programlar | Sistem | Yardım

**Düzenle:**

Profil tanımı	SPRİNG
Görünüm profili	SPRİNG
Kartotekler	
Kartotek	Kırt. etkin Kartotek başlığı Kartotek simboli E1 E2 E3 E4 E5 E6 E7 E8
1	✓ BAŞLIK 001 002 003 006 011
2	✓ ISLEMİLER/MALZEMELER 034 041
3	✓ MASHAFALAR 022
4	✓ TEMİZLİK ve GIDA GÜVENLİJ 090

CO01 için screen-exit için enhancement

Thursday, May 2, 2024 1:50 PM

Display ZCO10				
	Enhancement assignments	Enhancement		
Project		ZCO10		
Enhancement	Impl	Exp	PPCCO012 Üretim siparişi: Siparişi başlığını görüntüle/değiştir	
Function exit	✓ ✓	█ █	EXIT_SAPLCOK01_001 EXIT_SAPLCOK01_002	
Menu_exit	✓	█	SAPLCOCU	+COI
Screen exit	✓	█	SAPLCOK01	0900 SSCR115 SAPLXCO1 0100

# Data Changed Çalışması için gerekli kod

Thursday, May 2, 2024 5:02 PM

```
53   SET HANDLER gr_event_handler->handle_data_changed FOR gr_alvgrid .
54   SET HANDLER gr_event_handler->handle_data_changed_finished FOR gr_alvgrid .
55
56   ----Preparing field catalog.
57   PERFORM prepare_field_catalog CHANGING gt_fieldcat .
58   ----Preparing layout structure
59   PERFORM prepare_layout CHANGING gs_layout .
60   ----Here will be additional preparations
61   "--e.g. initial sorting criteria, initial filtering criteria, excluding
62   "--functions
63   "    PERFORM exclude_tb_functions CHANGING gt_exclude .
64   PERFORM prepare_sort_table CHANGING gt_sort .
65   "    PERFORM prepare_filter_table CHANGING gt_filter .
66
67   "calling display function
68   CALL METHOD gr_alvgrid->set_table_for_first_display
69     EXPORTING
70     *      I_BUFFER_ACTIVE           =
71     *      I_CONSISTENCY_CHECK       =
72     *      i_structure_name          = 'GT_LIST'
73     *      IS_VARIANT                =
74     *      i_save                     = 'X'
75     *      I_DEFAULT                  = 'X'
76     *      is_layout                  = gs_layout
77     *      IS_PRINT                   =
78     *      IT_SPECIAL_GROUPS          =
79     *      IT_TOOLBAR_EXCLUDING        = gt_exclude
80     *      IT_HYPERLINK               =
81     CHANGING
82       it_outtab                 = gt_list[]
83       it_fieldcatalog            = gt_fieldcat
84       it_sort                    = gt_sort
85     *      IT_FILTER                  = gt_filter
86     EXCEPTIONS
87       invalid_parameter_combination = 1
88       program_error              = 2
89       too_many_lines              = 3
90       OTHERS                      = 4.
91   IF sy-subrc <> 0.
92   *--Exception handling
93   ENDIF.
94
95   gr_alvgrid->register_edit_event(
96     EXPORTING
97       i_event_id = cl_gui_alv_grid->mc_evt_modified ).
```

Burada işaretlendiği gibi Handle\_data\_changed'i nerede kullanıyorsa yani hangi grid içinde kullanacaksak orası için bir mc\_evt\_modified register'i yapıyoruz.

# CO01 için BADI implementation

Thursday, May 2, 2024 5:26 PM

The screenshot shows the SAP Business Add-In Builder interface. The title bar reads "Business Add-In Builder: Change Implementation ZOE\_WORKORDER\_UPDATE". The main area displays the properties of the implementation:

Implementation Name	ZOE_WORKORDER_UPDATE	Inactive
Implementation Short Text	WORKORDER_UPDATE Badi Implementation for CO01	
Definition Name	WORKORDER_UPDATE	
Runtime Behavior	Implementation will not be called	

The "Interface" tab is selected. The interface name is set to IF\_EX\_WORKORDER\_UPDATE and the implementing class is ZCL\_IM\_OE\_WORKORDER\_UPDATE.

The "Method" table lists various enhancement implementations, including:

Method	Enhancement Implementation	Package	SW Comp.	Description	Comp. Enh. Impl.
AT_DELETE	CO_MES_INTEGRATION	CO_SFWS_MES_INT_1	S4CORE	Integration with Manufacturing Execution Systems	
AT_SAVE	PPINT_SOA_MFG_ORD	PP_SOA_MFGORDER_SERVICES	S4CORE	Integration with Manufacturing Execution Systems via SOA	
CMTS_CHE	ERP_PRS_CO	ERP_PRS_CO	S4CORE	Lean Staffing for Professional Services	
INITIALIZE	EAM_WORKORDER_DIGITAL_ACCESS	IWO1	S4CORE	Log Digital Access of PM/CS Orders	
IN_UPDATE	CO_DIGITAL_ACCESS_PP_PI	CO	S4CORE	Log digital access to production and process orders	
NUMBER_S	MSAM_MOREP	MSAM_MOREP	S4CORE	MSAM: Authority check at order operation	
BEFORE_U	CL_RSH_WORKORDER_UPDATE	RSH_EAM_INTEGRATION	S4CORE	RSH EAM Integration	
AT_RELEASE	/ISDFPS/PM_TRAINING_WO	/ISDFPS/LM_SAB_SFWS_UI1	EA-DFPS	Trainingsdaten zum IH-Auftrag speichern	
REORG_ST	CO_WORKORDER_TREX	CO	S4CORE	Update Change Pointers from TREX	
REORG_ST	COCR_CMX_BI_ORDER	COCR_CMX_BADI_IMPL	S4CORE	Update of PM-/PP-/PS-/PI Orders	EC_EA_APPL
REORG_ST	PGTR_COMP	EXPDI_BADI_IMPL	S4CORE	Updating Progress Tracking for Components	EC_EA_APPL
	COWIPB_SFWS_SC_WORD_UPDATE_WIP	COWIPB_SFWS_SC	S4CORE	WIP Batch: Archiving	
	/SMERP/PM_ORDER_UPDATE_IMPL	/SMERP/MDO_PM	S4CORE	Work Order Mobile Status Sync & xChange Update Implementation	
	ESH_MAINT_ORDER_UPDATE	BSESH_PM	S4CORE	Writing Change Pointer for Search on HANA	
	ESH_WORK_ORDER_UPDATE	BSESH_PP_SFC	S4CORE	Writing Change Pointer for Search on HANA	

A modal dialog titled "NS4(2)/100 Create Enhancement Implementation" is open, showing the details for a new enhancement implementation:

Enhancement Implementation	ZCO_ENH_WORKORDER_UPDATE
Short Text	WORKORDER_UPDATE için enhancement implementation
Composite Enhancement Implementation	

Buttons for save (green checkmark) and cancel (red X) are visible at the bottom right of the dialog.

Se19 üzerinden yapıldı işlemleri.

# VL01N Tab ve Alan Ekleme BADI'leri

Friday, May 3, 2024 5:29 PM

Following Badis will be helpful for you:

	Badi Name	Description
2	LE_SHP_TAB_CUST_HEAD	Tab Page for Your Own Data - Header Detail Delivery
4	LE_SHP_TAB_CUST_ITEM	Tab Page for Own Data - Item Detail Delivery
5	LE_SHP_TAB_CUST_OVER	Tab Page for Own Data - Item Overview Delivery

Choose the appropriate Badi for you.

Goto SE18 give the Badi name=> Display=> double click on the interface name=>click on interface documentation button or press ctrlshiftF9. Read the documentation to use the methods of the interface.

Then create the implementation of the badi in SE19.

Regards

hi

use BADI " LE\_SHP\_TAB\_CUST\_OVER" and in interface tab-> in list of methods choose "ACTIVATE\_TAB\_PAGE" method and in its list of parameter choose "CS\_V50AGL\_CUST" and put 'X' for it and for parameter "EF\_CAPTION" give any name of ur choice and in "EF\_PROGRAM" parameter give ur zprog name wher u will write code that and in "EF\_DYNPRO" give ur subscreen no.. Create subscreen in se51. and the new tab will be created and also add ur field in that subscreen and activate and for it write ur code in zprog.

I think it will go perfect.

SAP Managed Tags:

[ABAP Extensibility](#)

Reply



Former Member

In response to [Former Member](#)

06-21-2010 8:22 PM



0 Kudos

continue.....

continue.....

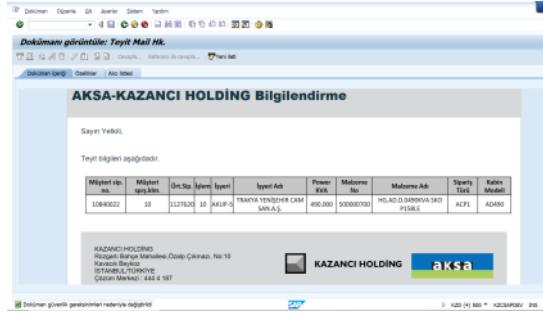
and also use method "TRANSFER\_DATA\_TO\_SUBSCREEN" and  
"TRANSFER\_DATA\_FROM\_SUBSCREEN" for ur getting and putting some data.  
**SAP Managed Tags:**

[ABAP Extensibility](#)

## Mail Metodu - Örnek

Friday, May 10, 2024 10:49 AM

```
method SEND_MAIL.  
  
TYPES : BEGIN OF ty_data,  
         id type int4,  
         "mail içerişinde kullanılacak olan veri tipleri burada tanımlanır.  
       END OF ty_data.  
  
DATA : lt_data TYPE TABLE OF ty_data,  
       wa_data TYPE ty_data.  
  
*      lt_mail TYPE TABLE OF zpp_t_teyit_mail,"mail adresleri çekilebilir bu şekilde.  
*      ls_mail TYPE zpp_t_teyit_mail.  
  
DATA: lt_body          TYPE STANDARD TABLE OF soli,  
      ls_body          TYPE soli,  
      lv_result        TYPE abap_bool,  
      lo_send_request  TYPE REF TO cl_bcs,  
      lo_document      TYPE REF TO cl_document_bcs,  
      lo_sender        TYPE REF TO cl_cam_address_bcs,  
      lo_recipient     TYPE REF TO if_recipient_bcs,  
      lo_bcs_exception TYPE REF TO cx_bcs. " gerekli tanımlamalar  
  
DEFINE append_html."macro function ile append  
ls_body-line = &1.  
append ls_body to lt_body.  
END-OF-DEFINITION.  
  
TRY.  
  "Create send request  
  lo_send_request = cl_bcs->create_persistent( ).  
  append_html ' <table border="0" cellpadding="0" cellspacing="0" width="100%"> '.  
  append_html ' <tr> '.  
  append_html ' <td style="padding: 10px 0 30px 0;"> '.  
  append_html ' <table align="center" border="0" cellpadding="0" cellspacing="0" width="1000" style="border: 1px solid #cccccc; border-collapse: collapse;"> '.  
  append_html ' <tr> '.  
  append_html ' <td align="left" bgcolor="#d1d2d4" style="padding: 40px 0 30px 10px; color: #153643; font-size: 28px; font-weight: bold; font-family: Arial, sans-serif;"> '.  
  append_html ' <>AKSA-KAZANCI HOLDİNG Bilgilendirme</b> '.  
  append_html ' </td> </tr> <br> '.  
  append_html ' <td bgcolor="#ffffff" style="padding: 10px 30px 40px 30px;"> '.  
  append_html ' <table border="0" cellpadding="0" cellspacing="0" width="100%"> '.  
  append_html ' <tr> '.  
  append_html ' <td style="padding: 10px 0 30px 0; color: #153643; font-family: Arial, sans-serif; font-size: 16px; line-height: 20px;"> '.  
  append_html ' Sayın Yetkilisi, '.  
  append_html ' </td> </tr> <br> '.  
  append_html ' <td style="padding: 10px 0 30px 0; color: #153643; font-family: Arial, sans-serif; font-size: 16px; line-height: 20px;"> '.  
  append_html ' Teyit bilgileri aşağıdadır. <br> <br> '.  
  append_html ' </td> </tr> <br> '.  
  append_html ' <td bgcolor="#d1d2d4" style="padding: 30px 30px 30px 30px;"> '.  
  append_html ' <table border="0" cellpadding="0" cellspacing="0" width="100%"> '.  
  append_html ' <tr> '.  
  append_html ' <td style="font-family: Arial, sans-serif; font-size: 14px; width: 75%"> '.  
  append_html ' KAZANCI HOLDİNG<br> '.  
  append_html ' Rüzgarlı Bahçe Mahallesı, Özalp Çıkmazı, No:10<br>  
Kavacık Beykoz<br> '.  
  append_html ' İSTANBUL/TÜRKİYE<br>Çözüm Merkezi : 444 4 187<br> '.  
  append_html ' </td> '.  
  append_html ' <td align="right" width="25%"> '.  
  append_html ' <table border="0" cellpadding="0" cellspacing="0"> '.  
  append_html ' <tr> '.  
  append_html ' <td style="font-family: Arial, sans-serif; font-size: 12px; font-weight: bold;"> '.  
  append_html ' <a href="https://kazanciholding.com.tr/" style="color: #ffffff;"> '.  
  append_html '  '.  
  append_html ' </a> '.  
  append_html ' </td> '.  
  append_html ' <td style="font-size: 0; line-height: 0; width=20">&ampnbsp</td> '.  
  append_html ' <td style="font-family: Arial, sans-serif; font-size: 12px; font-weight: bold;"> '.  
  append_html ' <a href="https://kazanciholding.com.tr/Default.aspx" style="color: #fffff;"> '.  
  append_html '  '.  
  append_html ' </td> </tr> </table> '.  
  append_html ' </td> </tr> </table> '.  
  append_html ' </td> </tr> </table> '.  
  append_html ' </td> </tr> </table> '.  
  
  "Set up document object  
  lo_document = cl_document_bcs->create_document(  
    i_type = 'HTM'  
    i_text = lt_body[]  
    i_subject = 'Teyit Mail Hk.' ).  
  
  "Add document to send request  
  lo_send_request->set_document( lo_document ).  
  
  lo_sender = cl_cam_address_bcs->  
  create_internet_address('SAPBASIS@nttdata.com.tr' ).  
  CALL METHOD lo_send_request->set_sender  
  EXPORTING  
    i_sender = lo_sender.  
  
  *      LOOP AT lt_mail INTO ls_mail.  
  *      lo_recipient = cl_cam_address_bcs->create_internet_address( ls_mail-mail ).  
  *      CALL METHOD lo_send_request->add_recipient  
  *      EXPORTING  
  *        i_recipient = lo_recipient  
  *        i_express   = 'X'.  
  *      ENDLOOP.  
  
  CALL METHOD lo_send_request->send_request->set_link_to_outbox( 'X' ).  
  CALL METHOD lo_send_request->set_send_immediately
```



Kaynak <<https://teams.microsoft.com/v2/>>

Kaynak <<https://teams.microsoft.com/v2/>>

```
EXPORTING
  i_send_immediately = 'X'.

"Send Email
CALL METHOD lo_send_request->send
EXPORTING
  i_with_error_screen = space
RECEIVING
  result
    = lv_result.

CATCH cx_bcs INTO lo_bcs_exception.

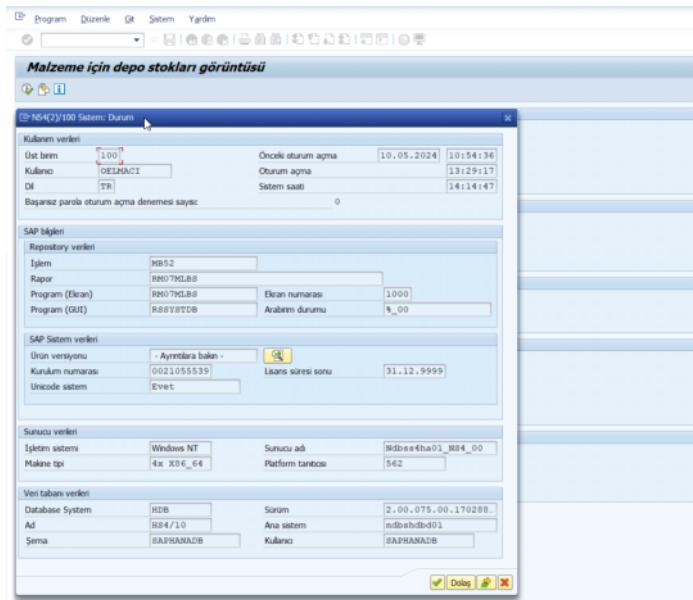
ENDTRY.
FREE : lo_document , lo_send_request.
*ENDIF.

endmethod.
```

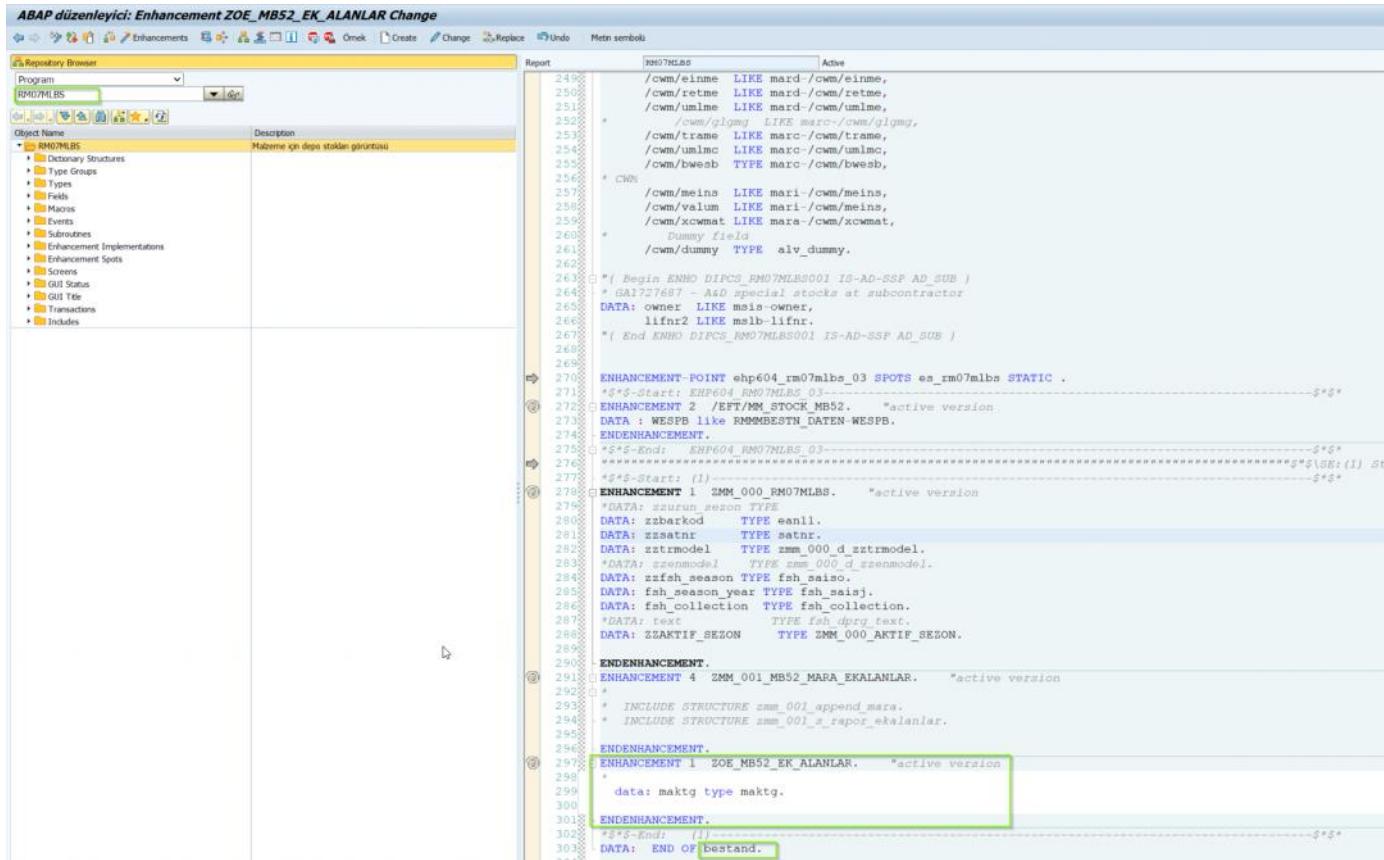
## MB52 tcodunda enhancement

Friday, May 10, 2024 2:08 PM

MB52 tcoduna gidiyoruz. Sistem -> Durum yapiyoruz.

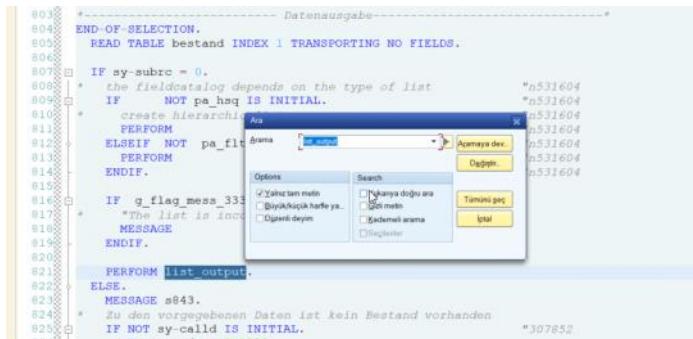


Program adını alıyoruz ve se38'de açıyoruz.



Ekleme istediğimiz alanı burada enhancement yaparak **BESTAND** isimli data definition içine ekliyoruz.

Ekleme işleminin ardından, arama yardımıyla **LIST\_OUTPUT** metodunu arıyoruz.



Çift tıklayıp ilgili metoda gidiyoruz.

**ABAP düzenleyici: Enhancements for RM07MLBS Change**

```

Report RM07MLBS Active
35448 * ENDIF.
35449 * CLEAR: ls_field_list.
35450 * ENDOLOOP.
35451 * ENDDO.
35452 * Show the result list
35453 FORM list_output.
35454 *#*>-End: ()-
35455 ENDFORM. " FELDATALOG AUFBauen
35456
35457 *#*>-Start: ()-
35458 ENHANCEMENT 2 ZMM_000_RM07MLBS. "active version
35459 INCLUDE zmm_000_rm07mlbs IF FOUND.
35460
35461 ENHANCEMENT.
35462 ENHANCEMENT 2 ZMM_000_RM07MLBS. "active version
35463
35464 DATA: wa_fcat      LIKE LINE OF fieldcat,
35465       g_tabix     LIKE sy-tabix,
35466       lt_component TYPE STANDARD TABLE OF stpbob,
35467       lt_head      TYPE STANDARD TABLE OF stkbob.
35468
35469 wa_fcat-fieldname = 'ZZSATNR'.
35470 wa_fcat-tabname   = 'BESTAND'.
35471 wa_fcat-reptext_ddic = 'U arası konf.mlz.'.
35472 APPEND wa_fcat TO fieldcat.
35473 CLEAR wa_fcat.
35474
35475 wa_fcat-fieldname = 'ZZBARKOD'.
35476 wa_fcat-tabname   = 'BESTAND'.
35477 wa_fcat-reptext_ddic = 'Barkod'.
35478 APPEND wa_fcat TO fieldcat.
35479 CLEAR wa_fcat.
35480
35481 wa_fcat-fieldname = 'ZZTRMODEL'.
35482 wa_fcat-tabname   = 'BESTAND'.
35483 wa_fcat-reptext_ddic = 'Model Kodu TR'.
35484 APPEND wa_fcat TO fieldcat.
35485 CLEAR wa_fcat.
35486
35487 wa_fcat-fieldname = 'FSH_SEASON_YEAR'.
35488 wa_fcat-tabname   = 'BESTAND'.
35489 wa_fcat-reptext_ddic = 'Sezon Yılı'.
35490 APPEND wa_fcat TO fieldcat.
35491 CLEAR wa_fcat.
35492
35493 wa_fcat-fieldname = 'TEXT'.
35494 wa_fcat-tabname   = 'BESTAND'.
35495 wa_fcat-reptext_ddic = 'Ürün Sezon'.
35496 APPEND wa_fcat TO fieldcat.
35497 CLEAR wa_fcat.
35498
35499 SELECT matnr,ean11,satnr,zztrmodel,attyp
35500 FROM mara
35501 FOR ALL ENTRIES IN @bestand
35502 WHERE matnr EQ @bestand-matnr
35503 INTO TABLE @DATA(lt_mara).
35504
35505 SELECT matnr,fsh_season,fsh_season_year,fsh_collection
35506 FROM fsh_seasons_mat
35507 FOR ALL ENTRIES IN @bestand
35508 WHERE matnr EQ @bestand-matnr
35509 INTO TABLE @DATA(lt_season).
35510
35511 IF lt_season IS NOT INITIAL .
35512   SELECT fsh_season,fsh_season_year,fsh_collection,txt
35513   FROM fsh_collection_t
35514   FOR ALL ENTRIES IN @lt_season
35515   WHERE fsh_season EQ @lt_season-fsh_season
35516   AND fsh_season_year EQ @lt_season-fsh_season_year
35517   AND fsh_collection EQ @lt_season-fsh_collection
35518   AND spras EQ 'T'
35519   INTO TABLE @DATA(lt_text).
35520 ENDIF.
35521
35522 LOOP AT bestand[] ASSIGNING FIELD-SYMBOL(<fs_bestand>).
35523 READ TABLE lt_mara INTO DATA(ls_mara) WITH KEY matnr = <fs_bestand>-matnr.
35524 READ TABLE lt_season INTO DATA(ls_season) WITH KEY matnr = <fs_bestand>-matnr.
35525 READ TABLE lt_text INTO DATA(ls_text) WITH KEY fsh_season = ls_season-fsh_season
35526           fsh_season_year = ls_season-fsh_season_year
35527           fsh_collection = ls_season-fsh_collection.
35528
35529 <fs_bestand>-zzbarkod = ls_mara-ean11.
35530 <fs_bestand>-zzsatnr = ls_mara-satnr.
35531 <fs_bestand>-zztrmodel = ls_mara-zztrmodel.
35532
35533 IF ls_mara-attyp EQ '00' AND ls_mara-satnr IS INITIAL .
35534 <fs_bestand>-zzsatnr = <fs_bestand>-matnr.
35535 ELSEIF ls_mara-attyp EQ zcl_mm_constants->mc_attyp_11 OR
35536   ls_mara-attyp EQ zcl_mm_constants->mc_attyp_10 ) AND ls_mara-satnr IS INITIAL .
35537   CLEAR: lt_component , lt_head.
35538   CALL FUNCTION 'MGW1_READ_BOM'
35539     EXPORTING
35540       bom_typ          = 'M'
35541       struc_material   = <fs_bestand>-matnr
35542       struc_unit       = 'ST'
35543       struc_type       = ls_mara-attyp
35544       struc_alternative = '1'
35545       bom_usage        = '3'
35546     TABLES
35547       component       = lt_component
35548       head            = lt_head
35549     EXCEPTIONS
35550       bom_not_exist    = 1.
35551
35552 IF lt_component IS NOT INITIAL .
35553   SELECT matnr,satnr,attyp
35554   FROM mara
35555   INTO TABLE @DATA(lt_mara2)
35556   FOR ALL ENTRIES IN @lt_component
35557   WHERE matnr EQ @lt_component-idnrk.
35558 ENDIF.
35559
35560 LOOP AT lt_component INTO DATA(ls_comp).
35561 DATA(ls_mara2) = VALUE #( lt_mara2[ matnr = ls_comp-idnrk ] OPTIONAL ).
```

```

IF ls_mara2-attyp EQ '02'.
IF ls_mara2-satnr IS NOT INITIAL.
  <fs_bestand>-zzsatnr = ls_mara2-satnr.
  EXIT.
ENDIF.
ELSEIF ls_mara2-attyp EQ '00'.
  <fs_bestand>-zzsatnr = ls_comp-idnrk.
  EXIT.
ENDIF.
ENDLOOP.
ENDIF.

<fs_bestand>-zzfsh_season = ls_season-fsh_season.
<fs_bestand>-fsh_season_year = ls_season-fsh_season_year.
<fs_bestand>-fsh_collection = ls_season-fsh_collection.
"<fs_bestand>-text = ls_text-text.

IF ls_season IS INITIAL.
  SELECT SINGLE fsh_season_year , fsh_season , fsh_collection
  FROM fsh_seasons_mat
  WHERE matnr EQ @<fs_bestand>-zzsatnr
  INTO ( @<fs_bestand>-fsh_season_year,@<fs_bestand>-zzfsh_season,@<fs_bestand>-fsh_collection ).
  IF sy-subrc > 0.
    SELECT SINGLE stlnr
    FROM mast
    WHERE matnc EQ @<fs_bestand>-matnr
    INTO @DATA(lv_stlnr).
    IF lv_stlnr IS NOT INITIAL.
      SELECT SINGLE idnrk
      FROM stpo
      WHERE stlnr = @lv_stlnr
      INTO @DATA(lv_idnrk).

      SELECT SINGLE satnr
      FROM mara
      WHERE matnr EQ @lv_idnrk
      INTO @DATA(lv_satnr).

      SELECT SINGLE fsh_season_year , fsh_season , fsh_collection
      FROM fsh_seasons_mat
      WHERE matnr EQ @lv_satnr
      INTO ( @<fs_bestand>-fsh_season_year,@<fs_bestand>-zzfsh_season,@<fs_bestand>-fsh_collection ).

      CLEAR : lv_satnr,lv_idnrk.
    ENDIF.
  ENDIF.
  SELECT SINGLE text
  FROM fsh_collection_t
  WHERE fsh_season_year = @<fs_bestand>-fsh_season_year
  AND fsh_season = @<fs_bestand>-zzfsh_season
  AND fsh_collection = @<fs_bestand>-fsh_collection
  INTO @<fs_bestand>-text.
ENDIF.

CALL FUNCTION 'ZMM_000_EXIT_01'
EXPORTING
  i_matnr      = <fs_bestand>-matnr
  i_satnr      = ls_mara-satnr
  i_attyp      = ls_mara-attyp
  i_datum      = sy-datum
IMPORTING
  e_aktif_sezon = <fs_bestand>-zzaktif_sezon.

CLEAR : ls_mara,ls_season.
ENDLOOP.

```

# QA12 için enhancement

Monday, May 13, 2024 11:47 AM

QEVA0010

## Note Yükleme

Wednesday, May 15, 2024 1:35 AM

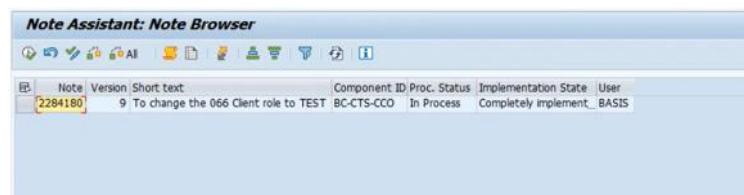
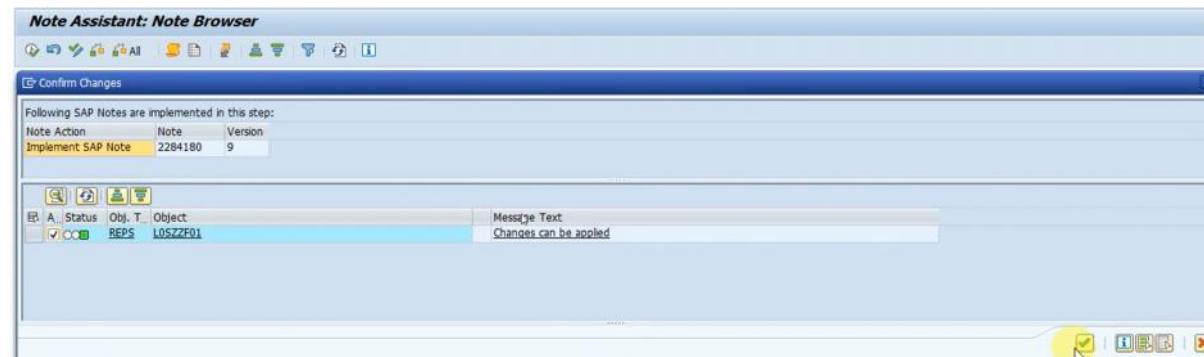
İlgili notlar SNOTE Tcode'una gidilerek ya içerenen indirilip uygulanır ya da web sitesinden indirip (SAP for me) upload edilerek uygulanır.



İndirme işleminin ardından Sap Note Browser'a gidilir

The screenshot shows the SAP Note Assistant interface again. The menu bar and 'SAP Notes' section are similar to the previous one. A context menu is open over a note, with 'SAP Note Browser' highlighted. To the right, a 'Note Assistant: Note Browser' window is open, showing a search form with 'SAP Note Number' set to '2284180'. Below the search form, a table displays the note details: 'Note' (2284180), 'Version' (9), 'Short text' ('To change the 066 Client role to TEST BC-CTS-CCO'), 'Component ID' (BC-CTS-CCO), 'Proc. Status' (In Process), 'Implementation State' (Can be implemented), and 'User' (BASIS).

Buradaki gibi tek satır görürsek tek satırı implemente ederiz ve gerekli işlemleri sırayla yaparak request alırız. Fakat buraya birden fazla not yüklemeye işlemi yapmamız gerekiyorsa sıra **ÖNEMLİDİR**. Notları SAP'nin not açıklamasındaki sırayla yapmamız gerekmektedir.



Varsayılm ki sırayı takip etmedik ya da herhangi bir hata ile karşılaşık ne yapacağız?

Note Assistant: Note Browser

"What should I do when during or after the implementation I face some issues with the function or I realize that I have not followed the order of the listed SAP Notes?"

Note number	Description	Component ID	Implementation Stat.
2257354	CGI: CGI_XML_C, CGI_XML_DD Format Updates #9	FI-AP-AP-B1	Completely implemented
2318961	CGI: CGI_XML_C, CGI_XML_DD Format Updates #10	FI-AP-AP-B1	Completely implemented
2322683	CGI: CGI_XML_C, CGI_XML_DD Format Updates #11	FI-AP-AP-B1	Completely implemented
2330563	CGI: CGI_XML_C, CGI_XML_DD Format Updates #12	FI-AP-AP-B1	Completely implemented
2350646	CGI: CGI_XML_C, CGI_XML_DD Format Updates #13	FI-AP-AP-B1	Completely implemented
2354237	CGI: CGI_XML_C, CGI_XML_DD Format Updates #14	FI-AP-AP-B1	Completely implemented
2366540	CGI: CGI_XML_C, CGI_XML_DD Format Updates #15	FI-AP-AP-B1	Completely implemented
2375875	CGI: CGI_XML_C country specific functionality for Bulgaria	FI-AP-AP-B1	Cannot be implemented
2375987	CGI: CGI_XML_C, CGI_XML_DD Format Updates #16	FI-AP-AP-B1	Completely implemented
2376476	SEPA 2016 - CGI_XML_C Payment format for Romania - SEPA Credit transfer	XX-CSC-RO-F1	Cannot be implemented
2385694	CGI: CGI_XML_C country specific functionality for Norway	FI-AP-AP-B1	Cannot be implemented

Note'ları silicez ve yeniden uygulayacağız. Sırasıyla yine notları alıyoruz ve download aşaması ve browser aşamasından geçiriyoruz.

Note Assistant: Note Browser

Note number	Description	Component ID	Implementation Stat.
2257354	CGI: CGI_XML_C country specific functionality improvement	FI-AP-AP-B1	Completely implemented
2261341	CGI: CGI_XML_C Format Updates #1	FI-AP-AP-B1	Completely implemented
2265276	CGI: CGI_XML_C country specific functionality #2	FI-AP-AP-B1	Completely implemented
2268123	CGI: CGI_XML_C(8) Italy, Specific Enhancement for Credit Transfer	FI-AP-AP-B1	Completely implemented
2268668	CGI: CGI_XML_C Format Updates #3	FI-AP-AP-B1	Completely implemented
2272412	CGI: CGI_XML_C Format Updates #2	FI-AP-AP-B1	Completely implemented
2274616	CGI Payment Format: address fields truncated (CGI_XML_C, CGI_CML_DD)	FI-AP-AP-B1	Completely implemented
2283292	CGI: CGI_XML_C, CGI_XML_DD Format Updates #5	FI-AP-AP-B1	Completely implemented
2284656	CGI: CGI_XML_C country specific functionality for Greece	FI-AP-AP-B1	Cannot be implemented
2289247	CGI: CGI_XML_C, CGI_XML_DD Format Updates #6	FI-AP-AP-B1	Completely implemented
2295642	CGI: CGI_XML_C, CGI_XML_DD Format Updates #7	FI-AP-AP-B1	Completely implemented
2306111	CGI: Badi enhancement for Requested Execution Date in CGI_XML_C and Requested	FI-AP-AP-B1	Cannot be implemented
2306304	CGI: CGI_XML_C, CGI_XML_DD Format Updates #8	FI-AP-AP-B1	Completely implemented
2311029	CGI: CGI_XML_C, CGI_XML_DD Format Updates #9	FI-AP-AP-B1	Completely implemented
2318961	CGI: CGI_XML_C, CGI_XML_DD Format Updates #10	FI-AP-AP-B1	Completely implemented
2322683	CGI: CGI_XML_C, CGI_XML_DD Format Updates #11	FI-AP-AP-B1	Completely implemented
2330563	CGI: CGI_XML_C, CGI_XML_DD Format Updates #12	FI-AP-AP-B1	Completely implemented
2350646	CGI: CGI_XML_C, CGI_XML_DD Format Updates #13	FI-AP-AP-B1	Completely implemented
2354237	CGI: CGI_XML_C, CGI_XML_DD Format Updates #14	FI-AP-AP-B1	Completely implemented
2366540	CGI: CGI_XML_C, CGI_XML_DD Format Updates #15	FI-AP-AP-B1	Completely implemented

Üstteki butona basıp geri alıyoruz. Bu sırada ilgili notları da geri alacağını söylüyor sistem. Tekrar sırayla yapıyoruz.

Queue of correction instructions to be installed

Deimplement the automatic correction instructions

Status	Correction Instructions/Manual Activity	Correction Instructions Key
Info	Note 0002375987 CGI: CGI XML CT, CGI XML DD Format Updates #16	0000131017_0003
Info	Note 0002366540 CGI: CGI XML CT, CGI XML DD Format Updates #15	0000107165_0007
Info	Note 0002354237 CGI: CGI XML CT, CGI XML DD Format Updates #14	0000084519_0002
Info	Note 0002350646 CGI: CGI XML CT, CGI XML DD Format Updates #13	0000064888_0001
Info	Note 0002330563 CGI: CGI XML CT, CGI XML DD Format Updates #12	0000058723_0001
Info	Note 0002322683 CGI: CGI XML CT, CGI XML DD Format Updates #11	0000016528_0003

Buradakilerin hepsini geri alacağını söylüyor.

2311029	CGI: CGI_XML_C, CGI_XML_DD Format Updates #9	FI-AP-AP-B1	Completely implemented
2318961	CGI: CGI_XML_C, CGI_XML_DD Format Updates #10	FI-AP-AP-B1	Completely implemented
2322683	CGI: CGI_XML_C, CGI_XML_DD Format Updates #11	FI-AP-AP-B1	Can be implemented
2330563	CGI: CGI_XML_C, CGI_XML_DD Format Updates #12	FI-AP-AP-B1	Can be implemented
2350646	CGI: CGI_XML_C, CGI_XML_DD Format Updates #13	FI-AP-AP-B1	Can be implemented
2354237	CGI: CGI_XML_C, CGI_XML_DD Format Updates #14	FI-AP-AP-B1	Can be implemented
2366540	CGI: CGI_XML_C, CGI_XML_DD Format Updates #15	FI-AP-AP-B1	Can be implemented
2375875	CGI: CGI_XML_C country specific functionality for Bulgaria	FI-AP-AP-B1	Cannot be implemented
2375987	CGI: CGI_XML_C, CGI_XML_DD Format Updates #16	FI-AP-AP-B1	Can be implemented
2376476	SEPA 2016 - CGI_XML_C Payment format for Romania - SEPA Credit transfer	XX-CSC-RO-F1	Cannot be implemented
2385694	CGI: CGI_XML_C country specific functionality for Norway	FI-AP-AP-B1	Cannot be implemented

Statüleri değişti görüldüğü üzere. En baştaki gibi yine sıraya uyacak şekilde ilerleme yapabiliriz.

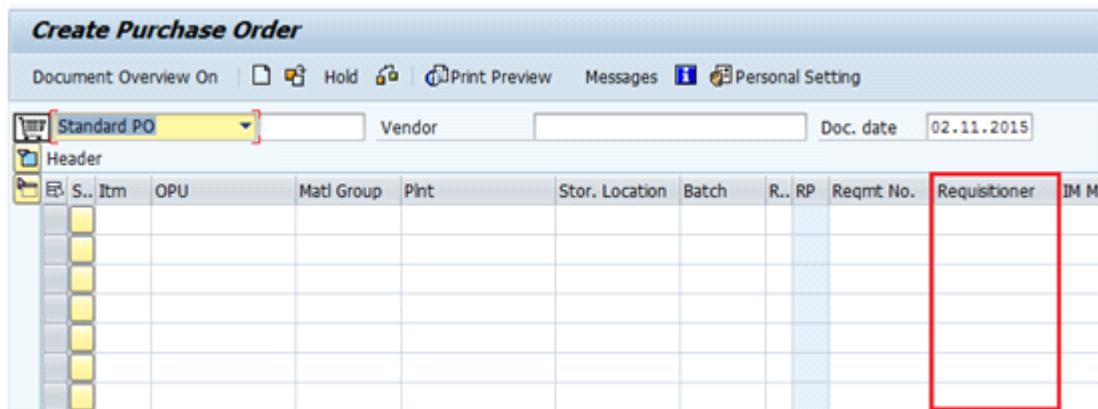
# Yüklenecek Not için Sistem/Component Bulma

Wednesday, May 15, 2024 10:53 AM

# Me21n'de AFNAM alanına search help eklemek

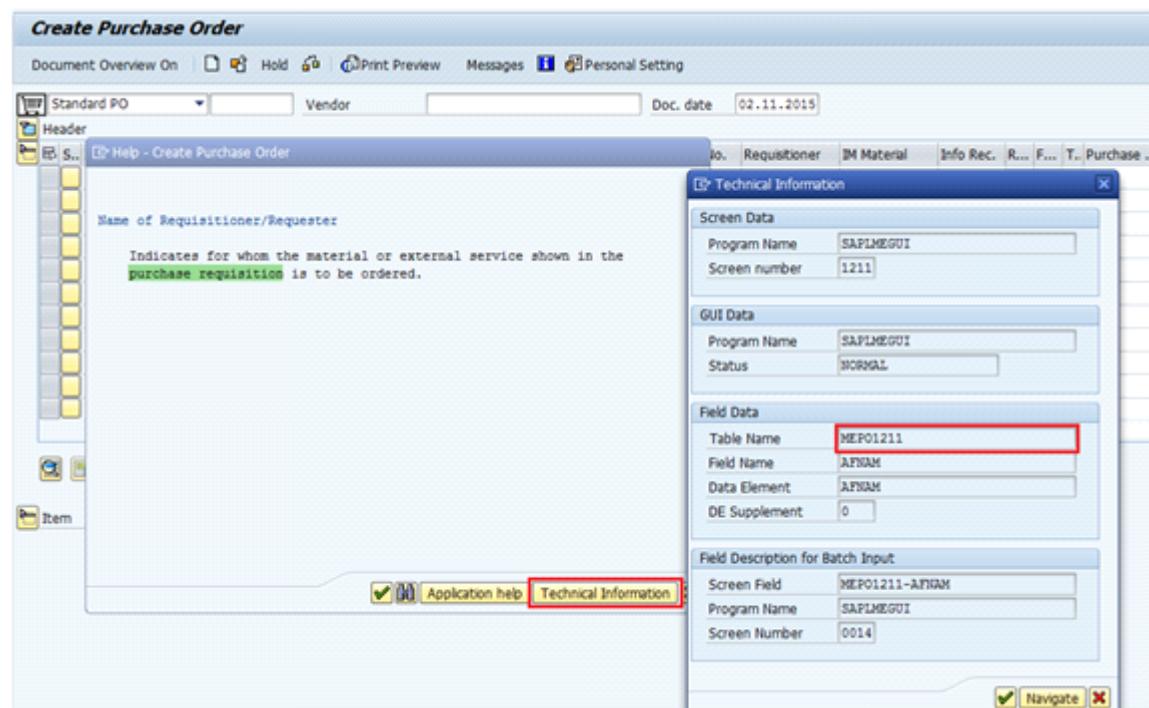
Monday, May 20, 2024 9:24 AM

For example, to add the standard search help 'USER\_COMP' to the field 'Requisitioner' in transaction ME21N 'Create Purchase Order'.



## 1. Determine the structure for the field.

Go to the field 'Requisitioner', and press F1. Click 'Technical Information' to determine the structure and the field.



## 1. Go to the Data dictionary transaction SE11 to view the structure 'MEPO1211'.

Since the field 'Requisitioner' (AFNAM) is contained in the Include structure 'MEPO1211\_DATA', double-click on this Include structure to add the Search Help 'USER\_COMP'.

**Dictionary: Display Structure**

Structure: MEPO1211 Active  
Short Description: Fields for Purchase Order Item Overview

Attributes Components Entry help/check Currency/quantity fields

Predefined Type

Component	RT...	Component type	Data Type	Length	Deci...	Short Description
.INCLUDE		MEPO1211_DATA	NUMC	0	0	Data Fields for Screen 9120
EHELP		EHELP	CHAR	5	0	Item Number of Purchasing Document
PSTYP		PSTYP	CHAR	1	0	Item Category in Purchasing Document
EPSTIP		EPSTIP	CHAR	1	0	Item Category in Purchasing Document
KNTIP		KNTIP	CHAR	1	0	Account Assignment Category
EMATN		EMATNR	CHAR	18	0	Material Number
MATNR		MATNR	CHAR	18	0	Material Number
MENGE		BSTMG	QUAN	13	3	Purchase Order Quantity
MEINS		BSTM	UNIT	3	0	Purchase Order Unit of Measure
MATKL		MATKL	CHAR	9	0	Material Group
WGBEZ		MEPO_MATKL	CHAR	20	0	Material Group

**Dictionary: Display Structure**

Structure: MEPO1211\_DATA Active  
Short Description: Data Fields for Screen 9120

Attributes Components Entry help/check Currency/quantity fields

Predefined Type

Component	RT...	Component type	Data Type	Length	Deci...	Short Description
LOEKZ		ELOEK	CHAR	1	0	Deletion Indicator in Purchasing Document
AFNAM		AFNAM	CHAR	12	0	Name of Requisitioner/Requester
UEBPO		UEBPO	NUMC	5	0	Higher-Level Item in Purchasing Documents
UPTYP		UPTYP	CHAR	1	0	Subitem Category, Purchasing Document
RESLO		RESLO	CHAR	4	0	Issuing Storage Location for Stock Transport Order
RESLO_BEZ		RESLO_BEZ	CHAR	16	0	Short Text for Issuing Storage Location
PRIOR_URG		PRIOR_URG	NUMC	2	0	Requirement Urgency
PRIOR_REQ		PRIOR_REQ	NUMC	3	0	Requirement Priority
FIXMIG		ME_FIXMIG	CHAR	1	0	Delivery date and quantity fixed

- Create a Z\* append structure for the structure MEPO1211\_DATA

**Dictionary: Display Structure**

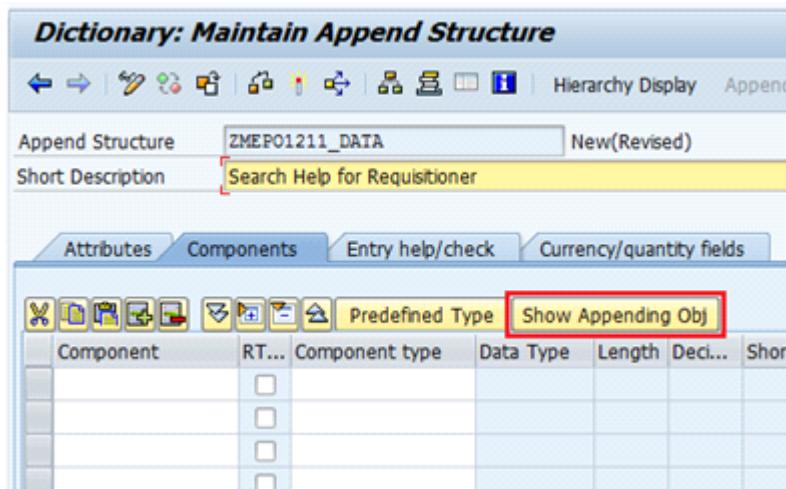
Structure: MEPO1211\_DATA Active

Appends for MEPO1211\_DATA

Append Name: ZMEPO1211\_DATA

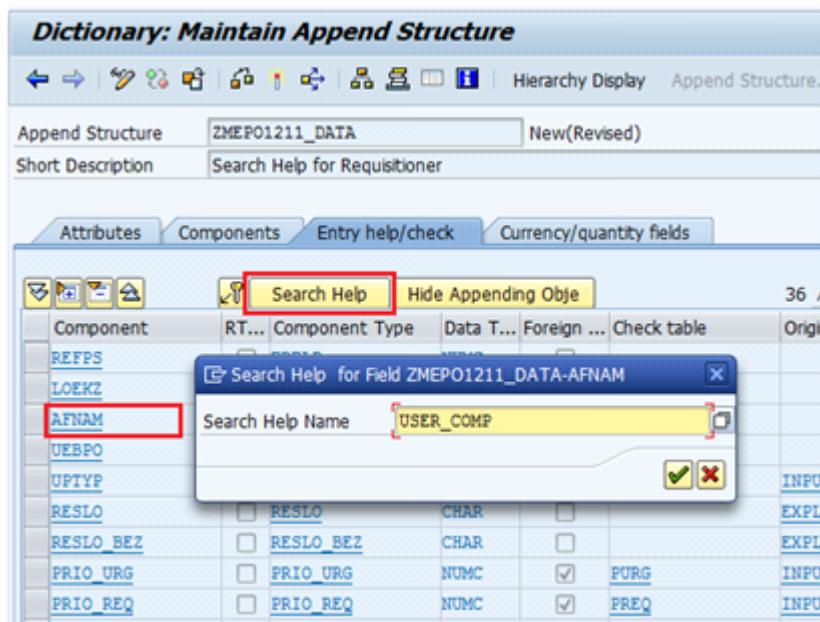
## 1. Add the Search Help ‘USER\_COMP’.

Click ‘Show Appending Obj’ then go the tab ‘Entry help/check’.

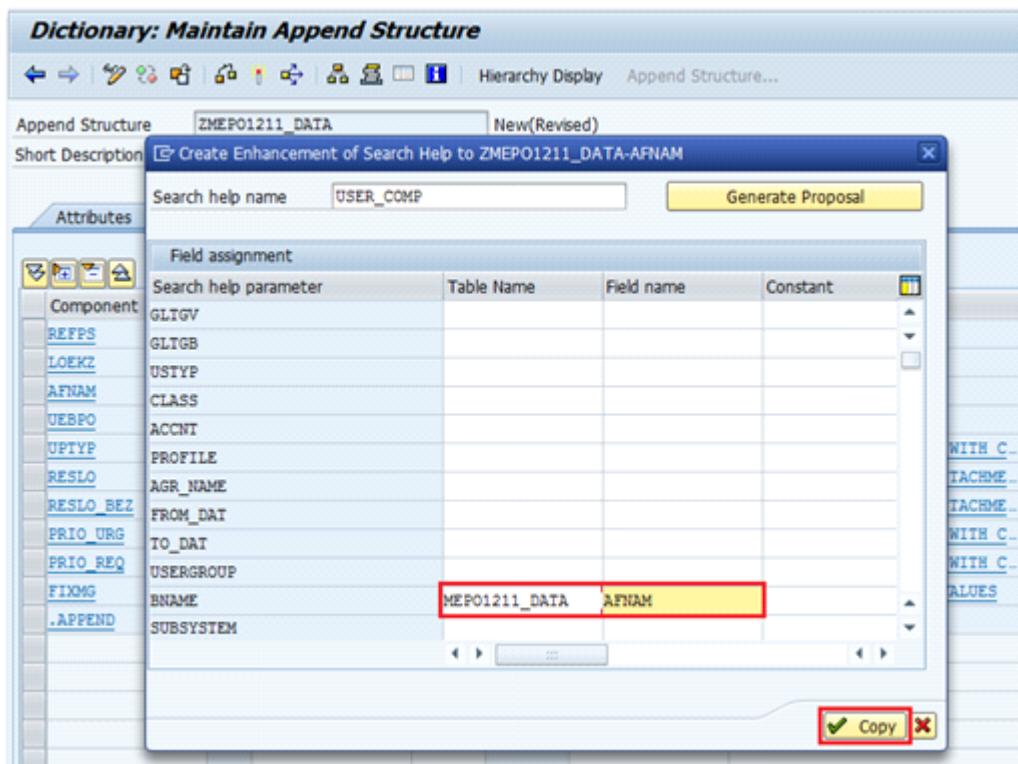


Place the cursor on the field AFNAM then click ‘Search Help’.

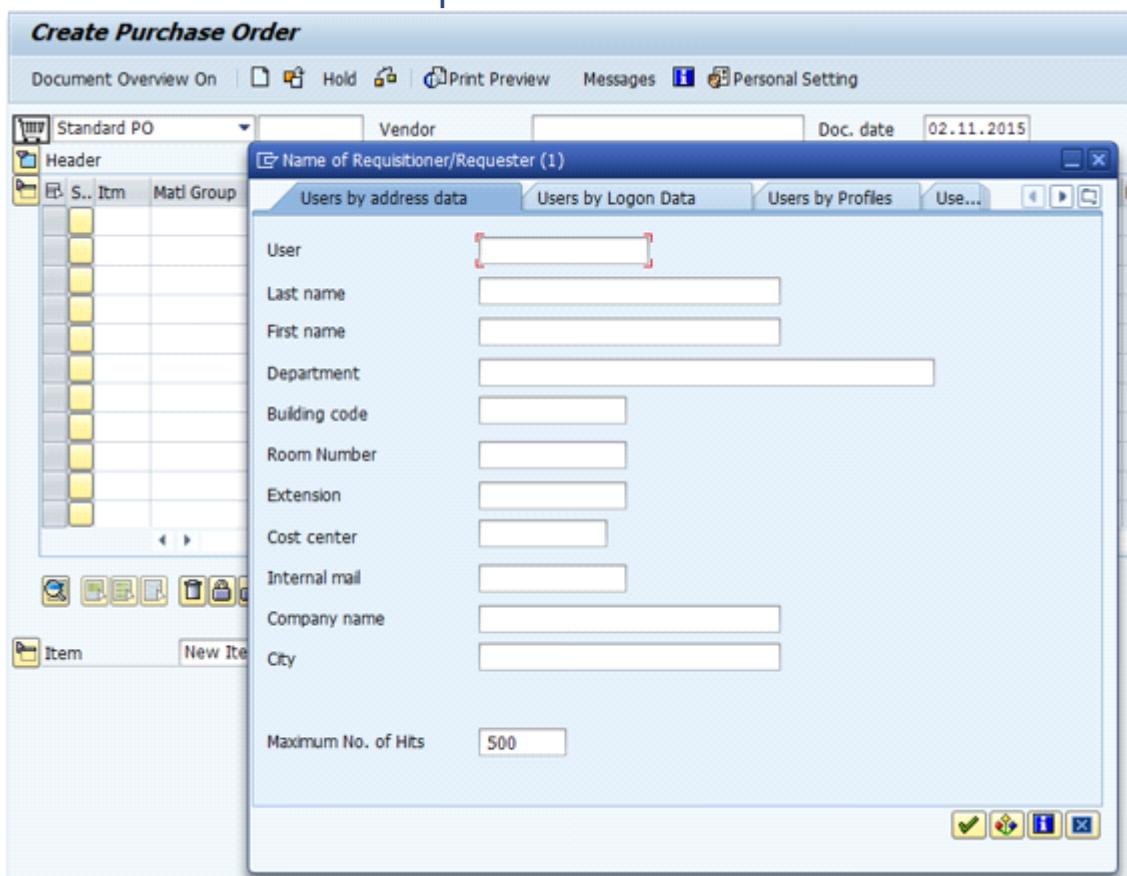
Input ‘USER\_COMP’.



1. Link the fields in the structure to the Search Help parameters



1. Save and Activate append structure ZMEPO1211\_DATA.
1. View the Search Help in transaction ME21N



Kaynak <<https://pasapas.uk/a-simple-solution-to-add-a-search-help-to-a-standard-transaction-field/>>

## TRIVAT raporu için BADI

Monday, May 27, 2024 11:19 AM

**Class Builder: Display Class CL\_IM\_FI\_INPUT\_VAT\_TR**

Class documentation Test elements

Repository Browser Class/Interface CL\_IM\_FI\_INPUT\_VAT\_TR

Object Name Description Imp. class for BADI imp. FI\_INPUT\_VAT\_TR

Interfaces IP\_EX\_FI\_INPUT\_VAT\_BADC Business add-in interface IP\_EX\_FI\_INPUT\_

Properties Friends Attributes Methods Events Types Aliases

Method IF\_EX\_FI\_INPUT\_VAT\_BADI-END\_OF\_SEL. Instance Method Public M... Description Event END\_OF\_SELECTION before Creation of List output.

**Class Builder Class CL\_IM\_FI\_INPUT\_VAT\_TR Display**

Class documentation Signatures Public Section Protected Section Private Section Test Elements

Repository Browser Class/Interface CL\_IM\_FI\_INPUT\_VAT\_TR

Object Name Description Imp. class for BADI imp. FI\_INPUT\_VAT\_TR

Interfaces IP\_EX\_FI\_INPUT\_VAT\_BADC Business add-in interface IP\_EX\_FI\_INPUT\_

Properties Friends Attributes Methods Events Types Aliases

Method IF\_EX\_FI\_INPUT\_VAT\_BADI-END\_OF\_SELECTION adler

```
1 method IF_EX_FI_INPUT_VAT_BADI-END_OF_SELECTION.
2   *#*#-start: ()-
3   *#*#-end: ()-
4   ENHANCEMENT 1 ZFI_014_TRIVAT2. "active version
5   break d_mdik.
6   TYPES: BEGIN OF ty_buk_mon,
7     bukrs TYPE bukrs,
8     monat TYPE monat_tr,
9   END OF ty_buk_mon.
10  DATA: BEGIN OF ls_t030k,
11    ktopl TYPE t030k-ktopl,
12    ktos1 TYPE t030k-ktos1,
13    mwszk TYPE t030k-mwszk,
14  END OF ls_t030k.
15  DATA: BEGIN OF ls_buk_m_g,
16    bukrs TYPE bukrs,
17    monat TYPE monat,
18    gjahr TYPE gjahr,
19  END OF ls_buk_m_g.
20  DATA: BEGIN OF ls_lfal,
21    lfint TYPE lfal-lfint,
22    land1 TYPE lfal-land1.
```

# QM - Kullanım kararı ve Stock Posting

Tuesday, May 28, 2024 10:39 AM

```
DATA: return      LIKE bapireturn1,
      l_parameter1 LIKE sy-msgv1.

* CALL FUNCTION 'BAPI_INS PLOT_SETUSAGEDECISION'
*   EXPORTING
*     number = insplot
*     ud_data = ud_data
*     ud_mode = ud_mode
*   IMPORTING
*     return = return.
```

```
"beg:QM:9003310591-yeni eklendi-BBALCI/OELMACI-27.05.2024
MOVE INS PLOT TO ud_data-insplot.
```

```
CALL FUNCTION 'QAVE_PROCESS_AUTO_UD'
EXPORTING
  i_lot      = ud_data-insplot
  i_selected_set = ud_data-ud_selected_set
  i_plant_selected_set = ud_data-ud_plant
  i_ud_code    = ud_data-ud_code
  i_ud_codegroup = ud_data-ud_code_group
  i_created_by = ud_data-ud_recorded_by_user
  i_date       = ud_data-ud_recorded_on_date
  i_time       = ud_data-ud_recorded_at_time
  i_text_line  = ud_data-ud_text_line
  i_stock_posting = ud_data-ud_stock_posting
  i_process_mode = 'N'
  i_origin_ud  = 'A'
  i_insp_cancel = ''
  i_no_batch_req = ''
EXCEPTIONS
  error_occurred = 1
  notPosted      = 2
  foreign_lock    = 3
  lock_error      = 4
  no_authority    = 5
  OTHERS          = 6.
```

```
IF sy-subrc <> 0.
  CALL FUNCTION 'BALW_BAPIRETURN_GET1'
  EXPORTING
    type    = sy-msgty
    cl      = sy-msgid
    number  = sy-msgno
    par1    = sy-msgv1
    par2    = sy-msgv2
    par3    = sy-msgv3
    par4    = sy-msgv4
  IMPORTING
    bapireturn = return.
ELSE.
*-- Usage decision o.k.: success-message will be locked in RETURN struc.
  MOVE ud_data-insplot TO l_parameter1.
```

```
CALL FUNCTION 'BALW_BAPIRETURN_GET1'
EXPORTING
  type      = 'S'
  cl        = 'QV'
  number    = '050'
  par1      = l_parameter1
IMPORTING
  bapireturn = return.
ENDIF.
```

"end:QM:9003310591-yeni eklendi-BBALCI/OELMACI-27.05.2024

```
IF return-type CN 'EAX'.
  CALL FUNCTION 'BAPI_TRANSACTION_COMMIT'.
ELSE.
  CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'.
ENDIF.
```

# TRM EK ALAN EKLEME

Friday, June 7, 2024 5:01 PM

## TRM Modülü İle Alakalı Ek Alanlar Tabı Ekleme:

7 Haziran 2024 Cuma

14:39

Ek Alan tabı eklediğimizde bu tcode'lara da gelir.

FTR\_EDIT:

TM\_51:

TM\_52:

TM\_53:

TM\_61:

TM\_62:

TM\_63:

FTRTL01:

FTRTL02:

FTRTL03:

TM01:

TM02:

TM03:

TS01:

TS02:

FTR\_CREATE ile işlemi açıp, ek alanları dolduruyor, kaydediyor. FTR\_EDIT ile değişiklik yapmak isterse değişiklik yapıyor. Sonra TBB1 ekranından kayıt atabiliyor. TBB1 de atılan kayıt bir muhasebe belgesi oluşturuyor, bu muhasebe belgesinde iş alanı dolu geliyor.

## FTR\_EDIT Ek Alanlar Tabı eklenmesi:

The screenshot shows the SAP FTR\_EDIT application interface. At the top, there's a menu bar with options like 'Faiz İşlemi', 'Düzenle', 'Git', 'Eklер', 'Ortam', 'Sistem', and 'Yardım'. Below the menu is a toolbar with various icons. The main title is 'Faiz işlemini görüntüle: Ek Alanlar'. Underneath the title, there are two tabs: 'Koşular' and 'Efektif faiz'. The 'Efektif faiz' tab is selected. In the center, there are several input fields: 'Şirket kodu' (Company code) set to '1000 Toksan Otomotiv', 'İşlem' (Transaction) set to '1000000000001'; 'Ürün türü' (Product type) set to 'K14 Grupçi Kredi', 'İşlem' set to '1 Sözleşme'; and 'İşlem türü' (Transaction type) set to '207 Grupçi Finansal Borç'. Below these fields is a navigation bar with tabs: 'Yapı', 'Ek Alanlar' (which is highlighted with a red border), 'Yönetim', 'Ek hareketler', 'Ödeme ayrıntıları', 'Nakit akışı', 'Faiz ayarlama', 'Notlar', 'Muhatap tayıni', and 'Durum'. At the bottom, there's a large input field labeled 'İş alanı' (Workplace) containing the value '1001 Toksan-Bursa', which is also highlighted with a red box.

İlk olarak tablомуza eklenecek alan append structure ile eklenir.

Search help eklenmek istenirse <https://emrullahdemirhan.com/abap/adding-search-help-to-the-standard-field/#:~:text=A%C5%9Fa%C4%9F%C4%B1daki%20gibi%20gelen%20ekranda%20ZUONR,Enter%20deyip%20devam%20ediyoruz>. bu siteden bakılabilir.

Table Edit Goto Utilities Extras Environment System Yardım

Dictionary: Display Table

Transparent Table VTBPHA Active  
Kısa tanım Mail ilem

Attributes Delivery and Maintenance Fields Input Help/Check Currency/Quantity Fields Indexes

Alan Key In... Data element Veri tipi Length Deci... Coordinate Kısa tanım Group

CUSTOM\_DIFF\_IER\_   TPM\_CUST\_DIFF\_I CHAR 20 0 0 Kullanıcı tanımlı farklılaştırma terimi değeri

CUSTOM\_DIFF\_IER\_   TPM\_CUST\_DIFF\_I CHAR 20 0 0 Kullanıcı tanımlı farklılaştırma terimi değeri

CUSTOM\_DIFF\_IER\_   TPM\_CUST\_DIFF\_I CHAR 20 0 0 Kullanıcı tanımlı farklılaştırma terimi değeri

CUSTOM\_DIFF\_IER\_   TPM\_CUST\_DIFF\_I.. CHAR 20 0 0 Kullanıcı tanımlı farklılaştırma terimi değeri

FLOWUID ACTIVE   TB\_FLOWUID\_ACT CHAR 1 0 0 Hareket UUUID'yi etkin

.APPEND   ZZVIBPHA\_EK STTU 0 0 0 TRM Ek alanlar

ZZISALANI   GSBER CHAR 4 0 0 İş alanı

**FTR\_CUSTOMER\_EXTENT** bu badi Z'lenir.

**EVT\_APPLICATION\_START** bu methoduna kodlar yazılır.

Implementation Edit Goto Utilities Environment System Yardım

Business Add-In Builder: Display Implementation ZTRM\_IM\_CUST\_EXTENT

Implementation Name ZTRM\_IM\_CUST\_EXTENT  cove

Implementation Short Text Open TR-TM: Müşteriler için geliştirmeler

Definition Name FTR\_CUSTOMER\_EXTENT

Runtime Behavior Implementation will be called

Properties Interface

Interface name IF\_EX\_FTR\_CUSTOMER\_EXTENT

Name of Implementing Class ZCL\_IM\_TRM\_IM\_CUST\_EXTENT

Method	Implementation ...	Description
EVT_APPLICATION_START	ABAP Code	▼ TR Transaction Management is Instantiated
EVT_TRANSACTION_CHECK	ABAP Code	▼ Explicit Transaction Check Required by User
EVT_TRANSACTION_FCODE	ABAP Code	▼ Execute Fcode in BAdI
EVT_TRANSACTION_SAVE_CANCEL	ABAP Code	▼ Saving Cancelled
EVT_TRANSACTION_SAVE_CHECK	ABAP Code	▼ Time for Checks Before DB Update Takes Place
EVT_TRANSACTION_SAVE_READY	ABAP Code	▼ Transaction Management Ready to be Saved
EVT_TRANSACTION_SAVE_REQUIRED	ABAP Code	▼ Time to Specify Whether Changes must be Saved
EVT_APPLICATION_FREE	ABAP Code	▼ Release Resources
EVT_BAPI_SET_CUSTOM1	ABAP Code	▼ Simulation: Set Data in Tab CustomerData1 for BAPI
EVT_BAPI_SET_CUSTOM2	ABAP Code	▼ Simulation: Set Data in Tab CustomerData2 for BAPI
EVT_BAPI_GET_CUSTOM1	ABAP Code	▼ Simulation: Get Data from Tab CustomerData1 for BAPI
EVT_BAPI_GET_CUSTOM2	ABAP Code	▼ Simulation: Get Data from Tab CustomerData2 for BAPI
EVT_TRANSACTION_DERIVE_DATA	ABAP Code	▼ Derive Data before SAVE CHECK

Method Edit Goto Utilities Environment Sistem Yardım

**Class Builder Class ZCL\_IM\_TRM\_IM\_CUST\_EXTENT Display**

Method IF\_EX\_FTR\_CUSTOMER\_EXTENT-EVT\_APPLICATION\_START active

```

1 method IF_EX_FTR_CUSTOMER_EXTENT-EVT_APPLICATION_START.
2   "EK Alan
3   INCLUDE ztrm_001_i_evt_appl_start IF FOUND.
4 endmethod.
```

Program Edit Git Yardımcı programlar Environment Sistem Yardım

**ABAP düzenleyici: Include ZTRM\_001\_I\_EVT\_APPL\_START Display**

Include ZTRM\_001\_I\_EVT\_APPL\_START Active

```

1 *E-
2 *E- Include          ZTRM_001_I_EVT_APPL_START
3 *E-
4 CALL FUNCTION 'ZTRM_001_FM_FTR_CUSTOM_START'
  EXPORTING
    pi_proxy_transaction = pi_proxy_transaction
    pi_proxy_messages     = pi_proxy_messages
    pi_proxy_fcode         = pi_proxy_fcode
    pi_proxy_fmod          = pi_proxy_fmod
    pi_cust_transaction    = pi_cust_transaction
  CHANGING
    pc_tab_badi_tabs      = pc_tab_badi_tabs.
```

Function Module Edit Goto Utilities Environment Sistem Yardım

**Function Builder: Display ZTRM\_001\_FM\_FTR\_CUSTOM\_START**

Function module ZTRM\_001\_FM\_FTR\_CUSTOM\_START Active

Attributes Import Export Changing Tables Exceptions Source code

Classification	
Function Group	ZTRM_001_FG_FTR_CUST_EXT ZTRM Ek Alanlar
Short Text	ZTRM Ek alanlar
Processing Type	
<input checked="" type="radio"/> Regular Function Module	General Data
<input type="radio"/> Remote-Enabled Module	Person Responsible D_EDURSUN
Scope Not classified (unrestricted scope)	Last Changed By D_EDURSUN
Interface Contract Any	Changed on 07.06.2024
<input type="radio"/> Update Module	Package ZTRM_001
<input checked="" type="radio"/> Start Immed.	Program Name SAPLZTRM_001_FG_FTR_CUST_EXT
<input type="radio"/> Immediate start (not updateable)	Include Name LTRM_001_FG_FTR_CUST_EXT001
<input type="radio"/> Start Delayed	Original Language TR
<input type="radio"/> Collrun	Not released
<input type="checkbox"/> Edit Lock	
<input type="checkbox"/> Global	

```
FUNCTION ztrm_001_fm_ftr_custom_start.
*"-"
**"Local Interface:
```

```

*"
  IMPORTING
    REFERENCE(PI_PROXY_TRANSACTION) TYPE REF TO
      IF_OPEN_TRTM_PROXY_DEAL_DATA
    REFERENCE(PI_PROXY_MESSAGES) TYPE REF TO
      IF_OPEN_TRTM_PROXY_MESSAGE
    REFERENCE(PI_PROXY_FCODE) TYPE REF TO  IF_OPEN_TRTM_PROXY_FCODE
    REFERENCE(PI_PROXY_FMOD) TYPE REF TO  IF_OPEN_TRTM_PROXY_FMOD
    REFERENCE(PI_CUST_TRANSACTION) TYPE REF TO
      IF_OPEN_TRTM_CUSTOMER_DATA
  CHANGING
    REFERENCE(PC_TAB_BADI_TABS) TYPE FTROP_TAB_BADI_SUBSCREEN
*-----



DATA: l_badi_tabs LIKE LINE OF pc_tab_badi_tabs.
DATA: l_tab_mod_fields TYPE ftrg_tab_field_modify.
DATA: l_mod_fields LIKE LINE OF l_tab_mod_fields.

* save references in the global memory of the function module first
g_proxy_transaction = pi_proxy_transaction.
g_proxy_cust_data = pi_cust_transaction.
g_proxy_messages = pi_proxy_messages.
g_proxy_fcode = pi_proxy_fcode.
g_proxy_fmod = pi_proxy_fmod.

l_badi_tabs-repid = 'SAPLZTRM_001_FG_FTR_CUST_EXT'. "REPORT
l_badi_tabs-dynnr = '0100'. "Subscreen
l_badi_tabs-text_tab = TEXT-001. "Ek Alanlar
MODIFY pc_tab_badi_tabs FROM l_badi_tabs
  TRANSPORTING repid dynnr text_tab
  WHERE fcode = c_custom_gui_fcode1."1st FCODE


l_mod_fields-tabname = 'VTBFHA'.
l_mod_fields-fieldname = 'ZZISALANI'.
l_mod_fields-attribute = c_fmod_display.
APPEND l_mod_fields TO l_tab_mod_fields.

CALL METHOD g_proxy_fmod->set_fieldmod
  EXPORTING
    pi_modified_fields = l_tab_mod_fields.

ENDFUNCTION.

```

### TEXT-001 :

ABAP Text Elements: Display Text Symbols Language Türkçe																														
Program	SAPLZTRM_001_FG_FTR_CUST_EXT	Active																												
Text Symbols		Selection Texts	List Headings																											
<input type="button" value="Next Free Number"/> 1 / 6																														
<table border="1"> <thead> <tr> <th>S... Text</th> <th>Lngth</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>001 Ek Alanlar</td> <td>10</td> <td>20</td> </tr> <tr> <td>002 Klnc.çkacı 2</td> <td>13</td> <td>23</td> </tr> <tr> <td>003 FCODE ile kontrol &amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp; .</td> <td>41</td> <td>82</td> </tr> <tr> <td>004 FCODE ile saklama &amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp; .</td> <td>41</td> <td>82</td> </tr> <tr> <td>005 &amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp;&amp; düğmesine basıldı.</td> <td>39</td> <td>78</td> </tr> <tr> <td>006 Ek Alanlar</td> <td>10</td> <td>20</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> </tr> </tbody> </table>				S... Text	Lngth	Max.	001 Ek Alanlar	10	20	002 Klnc.çkacı 2	13	23	003 FCODE ile kontrol &&&&&&&&&&&&& .	41	82	004 FCODE ile saklama &&&&&&&&&&&& .	41	82	005 &&&&&&&&&&&&& düğmesine basıldı.	39	78	006 Ek Alanlar	10	20		0	0		0	0
S... Text	Lngth	Max.																												
001 Ek Alanlar	10	20																												
002 Klnc.çkacı 2	13	23																												
003 FCODE ile kontrol &&&&&&&&&&&&& .	41	82																												
004 FCODE ile saklama &&&&&&&&&&&& .	41	82																												
005 &&&&&&&&&&&&& düğmesine basıldı.	39	78																												
006 Ek Alanlar	10	20																												
	0	0																												
	0	0																												

SE38 'den SAPLZTRM\_001\_FG\_FTR\_CUST\_EXT görüntüle ile girilir. Oluşturduğumuz Fonksiyon grubu.

```

ABAP düzenleyici: Function Group SAPLZTRM_001_FG_FTR_CUST_EXT Display
Function Group SAPLZTRM_001_FG_FTR_CUST_EXT Active

1 * System-defined Include-files.
2
3 INCLUDE LITRM_001_FG_FTR_CUST_EXTOP.          * Global Declarations
4 INCLUDE LITRM_001_FG_FTR_CUST_EXTUXX.          * Function Modules
5
6 * User-defined Include-files (if necessary).
7
8 * INCLUDE LITRM_001_FG_FTR_CUST_EXTF...          * Subroutines
9 * INCLUDE LITRM_001_FG_FTR_CUST_EXTD...          * PBO-Modules
10 * INCLUDE LITRM_001_FG_FTR_CUST_EXTE...          * PAI-Modules
11 * INCLUDE LITRM_001_FG_FTR_CUST_EXTE...          * Events
12 * INCLUDE LITRM_001_FG_FTR_CUST_EXTE...          * Local class implement.
13 * INCLUDE LITRM_001_FG_FTR_CUST_EXTE...          * ABAP Unit tests
14
15 INCLUDE litzrm_001_fg_ftr_cust_exte01.
16
17 INCLUDE litzrm_001_fg_ftr_cust_exti01.
18
19 INCLUDE litzrm_001_fg_ftr_cust_extf01.
20
21 INCLUDE litzrm_001_fg_ftr_cust_extf01.

```

INCLUDE LZTRM\_001\_FG\_FTR\_CUST\_EXTOP. Includenin içi:

```

FUNCTION-POOL ztrm_001_fg_ftr_cust_ext.      "MESSAGE-ID ..

* INCLUDE LZTRM_001_FG_FTR_CUST_EXTD...      " Local class definition

TYPE-POOLS: ftrop, ftrg.
* global structure used for displaying transaction data
TABLES: vtmfha, vtbfha.

* References to TRTM objects
DATA:
  g_proxy_transaction  TYPE REF TO if_open_trtm_proxy_deal_data,
  g_proxy_cust_data    TYPE REF TO if_open_trtm_customer_data,
  g_proxy_messages     TYPE REF TO if_open_trtm_proxy_message,
  g_proxy_fcode        TYPE REF TO if_open_trtm_proxy_fcode,
  g_proxy_fmod         TYPE REF TO if_open_trtm_proxy_fmod.

* Change indicator
DATA g_datar TYPE sydatar.

* Append structures of VTBFA
DATA:

```

```

g_tab_fha_appends      TYPE ftrop_tab_cust_append.

* GUI Controls
DATA:
  a_oref_container      TYPE REF TO cl_gui_custom_container,
  a_oref_container_200  TYPE REF TO cl_gui_custom_container.
* ALV Grid control
DATA: a_oref_grid        TYPE REF TO cl_gui_alv_grid,
      a_oref_grid_200   TYPE REF TO cl_gui_alv_grid,
      a_tab_conditions  TYPE TABLE OF vtbfinko,
      a_tab_cashflow    TYPE TABLE OF vtbfhapo,
      a_fieldcat_200    TYPE lvc_t_fcat,
      a_fieldcat        TYPE lvc_t_fcat.

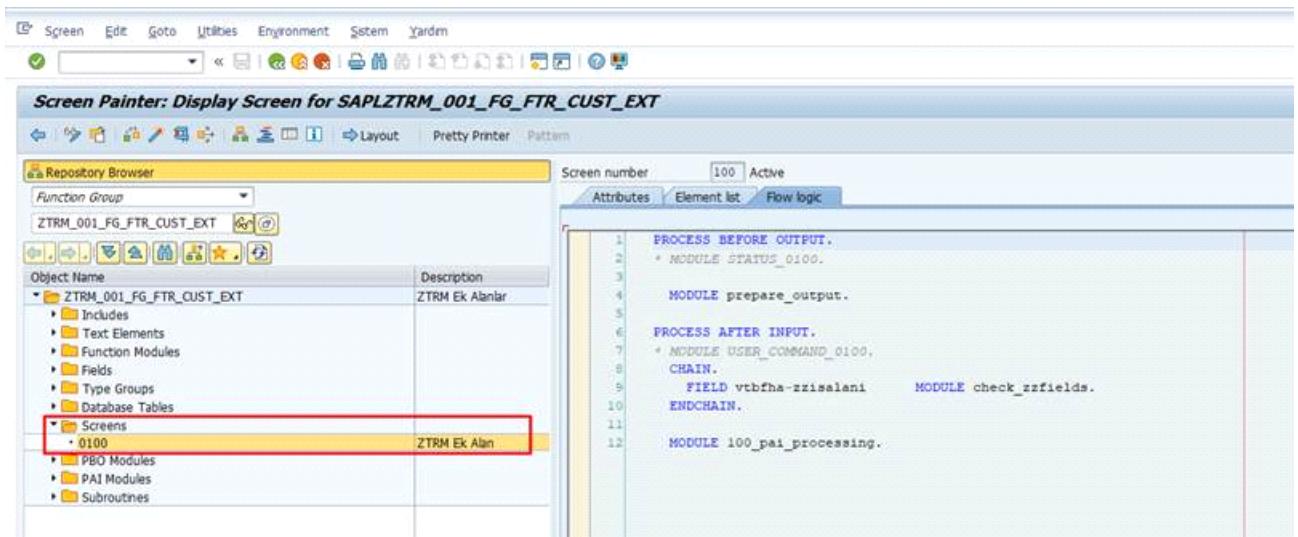
* supported FCODES with subscreen
CONSTANTS:
  c_custom_gui_fcode1  TYPE syucomm VALUE 'OPEN_TRTM_CUST_01',
  c_custom_gui_fcode2  TYPE syucomm VALUE 'OPEN_TRTM_CUST_02'.

* constants for field modification
CONSTANTS:
  c_text_placeholder(20) TYPE c VALUE '|||||||||||||||||||||',
  c_fmod_display        TYPE ftrg_field_modify-attribute VALUE 'D',
  c_fmod_input          TYPE ftrg_field_modify-attribute VALUE 'O',
  c_fmod_invisible     TYPE ftrg_field_modify-attribute VALUE 'I',
  c_fmod_required       TYPE ftrg_field_modify-attribute VALUE 'R'.

DATA: gv_gtext           TYPE gtext.

```

**Screen oluştururuz.**



```

*-----
***INCLUDE LZTRM_001_FG_FTR_CUST_EXT001.
*-----
*&-----*
*& Module PREPARE_OUTPUT OUTPUT
*&-----*
*&-----*
*&-----*
MODULE prepare_output OUTPUT.
  PERFORM 100_prepare_output CHANGING vtmfha.
ENDMODULE.

*-----
***INCLUDE LZTRM_001_FG_FTR_CUST_EXTI01.
*-----
*&-----*
*&     Module 100_PA1_PROCESSING INPUT
*&-----*
*     text
*-----*

MODULE 100_pai_processing INPUT.
  PERFORM 100_pai_processing USING g_tab_fha_append.
ENDMODULE.

*&-----*
*&     Module CHECK_ZZFIELDS INPUT
*&-----*
*     text
*-----*

MODULE check_zzfields INPUT.
  PERFORM 100_pai_processing USING g_tab_fha_append.
ENDMODULE.

```

```

*-----
***INCLUDE LZTRM_001_FG_FTR_CUST_EXTF01.
*-----
*&-----*
*& Form 100_prepare_output
*&-----*
*& text
*&-----*
*&      <-- VTMFHA
*&-----*
FORM 100_prepare_output  CHANGING VALUE(pi_vtmfha)  TYPE vtmfha.
DATA:ztrm_custom  TYPE zzvtfha_ek.
DATA:ls_sgsart  TYPE rsdsselopt,
      lt_sgsart  TYPE TABLE OF rsdsselopt,
      lt_sgsart1 TYPE TABLE OF rsdsselopt,
      lt_tcode   TYPE TABLE OF rsdsselopt.

CALL METHOD g_proxy_cust_data->get_cust_data
IMPORTING
  pe_tab_fha_appends = g_tab_fha_appends
EXCEPTIONS
  OTHERS             = 4.

PERFORM convert_from_table_2_structure USING      g_proxy_cust_data
      g_tab_fha_appends  'ZZVTFHA_EK'
CHANGING ztrm_custom.

MOVE-CORRESPONDING ztrm_custom TO pi_vtmfha.
MOVE-CORRESPONDING ztrm_custom TO vtbfha.

LOOP AT SCREEN.
  IF sy-tcode IN lt_tcode.
    screen-input = '0'."alan kapali
  ELSE.
* apply field modification for an external subscreen
    CALL METHOD g_proxy_fmod->apply_fmod.
  ENDIF.

CASE sy-tcode.
  WHEN 'FTR_CREATE'.
    screen-input = '1'.
  WHEN 'TM_51'.
    screen-input = '1'.
  WHEN 'TM_52'.
    screen-input = '1'.
  WHEN 'TM_61'.
    screen-input = '1'.
  WHEN 'TM_62'.
    screen-input = '1'.
  WHEN 'TM01'.
    screen-input = '1'.
  WHEN 'TM02'.
    screen-input = '1'.
  WHEN 'FTRTLC01'.
    screen-input = '1'.
  WHEN 'FTRTLC02'.
    screen-input = '1'.
  WHEN 'TS01'.
    screen-input = '1'.
  WHEN 'TS02'.
    screen-input = '1'.
  WHEN 'TM_53'.
    screen-input = '0'.
  WHEN 'TO03'.
    screen-input = '0'.
ENDCASE.

```

```

        WHEN 'TX.3'.
          screen-input = '0'.
        WHEN 'TM03'.
          screen-input = '0'.
        WHEN 'TS03'.
          screen-input = '0'.
        WHEN 'FTR_EDIT'.
          screen-input = '1'.
          MODIFY SCREEN.
          CONTINUE.
      ENDCASE.
      screen-input = 0.

      IF screen-name = 'GV_GTEXT' .
        screen-input = '0'.
      ENDIF.

      IF screen-name = 'VTBFHA-ZZISALANI' .
        screen-input = '1'.
      ENDIF.

      MODIFY SCREEN.
    ENDLOOP.

"gtext alanı getirme
SELECT SINGLE gtext
  FROM tgsbt
    INTO @gv_gtext
  WHERE gsber EQ @vtfha-zzisalani.
ENDFORM.

*&-----*
*&      Form  CONVERT_FROM_TABLE_2_STRUCTURE
*&-----*
FORM convert_from_table_2_structure
  USING VALUE(pi_oref_cust_data) TYPE REF TO
    if_open_trtm_customer_data
    VALUE(pi_tab_fha_append) TYPE ftrop_tab_cust_append
    VALUE(pi_tabname) TYPE dfies-tabname
    CHANGING VALUE(pc_structure) .
  DATA: l_fha_append LIKE LINE OF pi_tab_fha_append.

  CLEAR pc_structure.
  READ TABLE pi_tab_fha_append INTO l_fha_append
    WITH KEY tabname = pi_tabname.
  CHECK sy-subrc = 0.
  CALL METHOD pi_oref_cust_data->convert2structure
    EXPORTING
      pi_tabname    = l_fha_append-tabname
      pi_char4096   = l_fha_append-content
    CHANGING
      pc_structure = pc_structure
  EXCEPTIONS
    OTHERS        = 4.
ENDFORM.                                     " CONVERT_FROM_TABLE_2_STRUCTURE
*&-----*
*& Form 100_pai_processing
*&-----*
*& text
*&-----*
*&     --> G_TAB_FHA_APPENDS
*&-----*
FORM 100_pai_processing  USING
  VALUE(pi_tab_fha_append) TYPE ftrop_tab_cust_append.

FIELD-SYMBOLS: <fs_struct>.
  DATA: l_fha_append LIKE LINE OF pi_tab_fha_append,

```

```

ztrm_custom      TYPE zzvtfha_ek.

LOOP AT pi_tab_fha_appends INTO l_fha_appends.

MOVE-CORRESPONDING vtfha TO ztrm_custom. "start

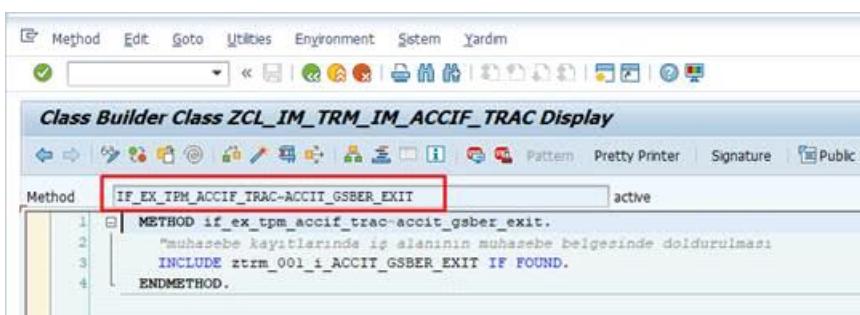
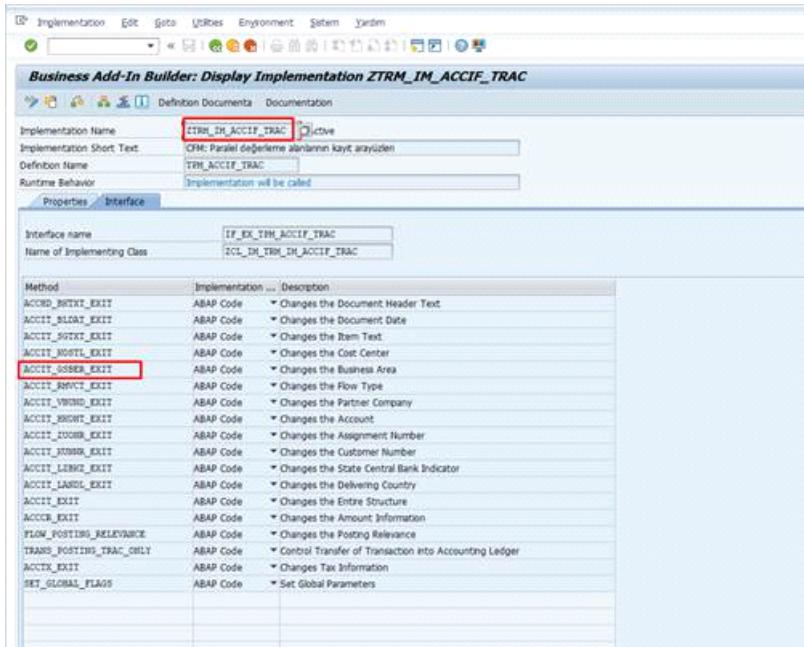
CALL METHOD cl_abap_container_utilities->fill_container_c
  EXPORTING
    im_value           = ztrm_custom
  IMPORTING
    ex_container       = l_fha_appends-content
  EXCEPTIONS
    illegal_parameter_type = 1
    OTHERS              = 2.
  IF sy-subrc <> 0.
  ENDIF. "end
MODIFY pi_tab_fha_appends FROM l_fha_appends.
ENDLOOP.

CALL METHOD g_proxy_cust_data->set_cust_data
  EXPORTING
    pi_tab_fha_appends = pi_tab_fha_appends
  EXCEPTIONS
    OTHERS              = 1.

ENDIFFORM.

```

**TPM\_ACCIF\_TRAC** bu BADI'yi de Zlememiz gereklidir. **ACCIT\_GSBER\_EXIT** bu methoduna gereklilik kodlarımızı yazarız.



The screenshot shows the SAP ABAP editor interface. The title bar reads "ABAP düzenleyici: Include ZTRM\_001\_I\_ACCIT\_GSBER\_EXIT Display". The menu bar includes "Program", "Edit", "Git", "Yardımcı programlar", "Environment", "Sistem", and "Yardım". The toolbar contains various icons for file operations like save, print, and search. The main area displays the ABAP code for the include ZTRM\_001\_I\_ACCIT\_GSBER\_EXIT:

```
1  *$-----*
2  *& Include      ZTRM_001_I_ACCIT_GSBER_EXIT
3  *$-----*
4
5  SELECT SINGLE zzisalani
6    FROM vtbfa
7    INTO @DATA(lv_gsber)
8    WHERE rfha   EQ @im_data-deal_number
9      AND bukrs  EQ @im_data-company_code.
10
11  ch_accit_gsber_d = lv_gsber.
12  ch_accit_gsber_c = lv_gsber.
```

# MRKO düştüğü EXIT

Monday, June 10, 2024 5:06 PM

EXIT\_SAPLFMR4\_002

Cmod üzerinden proje oluşturup enhancemenet kısmına -> FMRESERV yazıyoruz. Linki aşağıda:

**Hi Developers ,**

**Consider a scenario in which you are going to create BADI definition as well for a customer exit.**

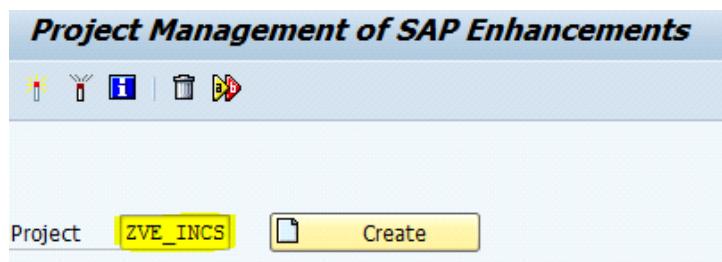
**Here are the steps:**

- Find out the correct customer exit for your requirement from the functional team.

**Function Builder: Display EXIT\_SAPLFMR4\_002**

```
function exit_saplfmr4_002.  
*"-  
***"Lokale Schnittstelle:  
*"  
    TABLES  
*"  
        T_ACCHD STRUCTURE ACCHD  
*"  
        T_ACCIT STRUCTURE ACCIT  
*"  
        T_ACCCR STRUCTURE ACCCR  
*-  
  
    include zxfmcu08.  
  
endfunction.
```

- Create enhancement in CMOD and activate the components. (See below screens)



**SAP Enhancements in Enhancement Project ZVE\_INCS**

The screenshot shows the SAP Enhancement Project ZVE\_INCS interface. The enhancement FMRESERV is selected. A table lists function exits under the 'Function exit' column. The exits are: EXIT\_RFFMBW00\_002, EXIT\_SAPLFMFR\_001, EXIT\_SAPLFMFR\_002, EXIT\_SAPLFMFR\_003, EXIT\_SAPLFMFR\_004, EXIT\_SAPLFMFR\_005, EXIT\_SAPLFMFR\_006, EXIT\_SAPLFMFR\_007, EXIT\_SAPLFMFR\_008, EXIT\_SAPLFMFR\_009, EXIT\_SAPLFMFR\_010, EXIT\_SAPLFMR0\_001, EXIT\_SAPLFMR0\_002, EXIT\_SAPLFMR0\_003, EXIT\_SAPLFMR1\_001, EXIT\_SAPLFMR4\_001, EXIT\_SAPLFMR4\_002, EXIT\_SAPLFMR4\_003, EXIT\_SAPLFMRS\_001, and EXIT\_SAPLFMRS\_002. The last exit, EXIT\_SAPLFMR4\_002, is highlighted in yellow.

c) Go to SE18 and create a BADI definition.

**Business Add-Ins: Initial Definition Maintenance Screen**

The screenshot shows the Business Add-Ins: Initial Definition Maintenance Screen. The 'Definition name' field contains the value ZBADI\_ZXFMCU08. Below the field are four buttons: Display, Change, Create, and Test. The 'Change' button is highlighted in yellow.

d) Create an instance method (public) for the BADI with parameters (if needed).

**Class Builder: Display Interface ZIF\_EX\_BADI\_ZXFMCU08**

Analyze	Level	Met...	Description
EXIT_SAPLFMR4_002	Instanc...		Customer Exit - EXIT_SAPLFMR4_002

**Interface ZIF\_EX\_BADI\_ZXFMCU08 Implemented / Active**

Parameter	Type	P.	O.	Typin...	Associated Type	Default value	Des...
CT_ACCIT	Changi...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Type	ACCIT_T		Acco...

e) Create implementation for the BSDI.

Business Add-Ins: Display Definition

Implementation

- Overview
- Create**
- Change
- Display
- Delete

Definition name: ZBADI\_ZXFMCU08

Definition short text: BADI Definition for Userexit EXIT\_SAPLFMR4\_002

Method	Imple...	Description
EXIT_SAPLFMR4_002	ABAP Co ...	Customer Exit - EXIT_SAPLFMR4_002

f) Here, see the method (public) created in definition is already assigned to your implementation (EXIT\_SAPLFMR4\_002).

Class Interface		ZCL_IM_IMPL_INCS_BUPL	Implemented / Active					
Properties		Interfaces	Friends	Attributes	Methods	Events	Types	Aliases
Parameters		Exceptions						
Analyze			Level	Visibility	M.	Description		
ZIF_EX_BADI_ZXFMCU08~EXIT_SAPLFMR4_002		Insta...	Public			Customer Exit - EXIT_SAPLFMR4_002		
MT_BUPLA_FOR_STATE_TAX		Insta...	Private			Business Place for India State Tax		

g) Apply the validation in the public method and business logic in private method.  
Call the private method in the public method after validation.

Class Interface		ZCL_IM_IMPL_INCS_BUPL	Implemented / Active					
Properties		Interfaces	Friends	Attributes	Methods	Events	Types	
Parameters		Exceptions						
Analyze		Level	Visibility	M.	Description			
ADI_ZXFMCU08~EXIT_SAPLFMR4_002	Insta...	Public			Customer Exit - EXIT_SAPLFMR4_002			
MT_BUPLA_FOR_STATE_TAX	Insta...	Private			Business Place for India State Tax			

**Class Builder: Class ZCL\_IM\_IMPL\_INCS\_BUPL Display**

Method MT\_BUPLA\_FOR\_STATE\_TAX Activ

```

types:
* Structure for the Document Segment: Material with Business Place.
begin of tw_mseg_bupla,
  werks type werks_d,                      " Plant
  lgort type lgort_d,                       " Storage Location
  lgvo type charb,                         " Line Item Number
  bupla type bupla,                         " Business Place
  xref3 type xref3,                         " Reference Key
end of tw_mseg_bupla.

*-----*
* INTERNAL TABLE AND WORKAREAS
*-----*
data:
* Local internal table and workarea for Configuration translation.
  lt_zcmtrans  type standard table of zcmtrans,
  lw_zcmtrans  type zcmtrans,

* Local internal table and workarea for Document Segment: Material
* with Business Place.
  lt_mseg_bupla type standard table of tw_mseg_bupla,
  lw_mseg_bupla type tw_mseg_bupla,

```

Now, next step is how to call the BADI from the customer exit.

a) Go to your customer exit program.

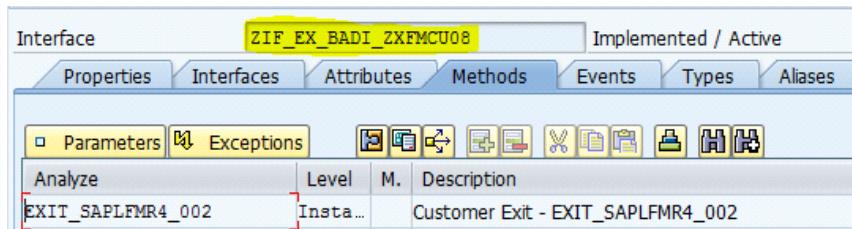
```
function exit_saplfmr4_002.  
*"-  
*""Lokale Schnittstelle:  
*"  
*"  
*"  
*"  
*"  
*"  
*"  
*"  
  
include zxfmcu08.  
  
endfunction.
```

b) Create an instance of your BADI interface and call the public method (e.g. EXIT\_SAPLFMR4\_002).

```
*-----*
* Local data declaration
statics:
  sc_exit  type ref to zif_ex_badi_zxfmcu08.      " Object reference

* Get a reference to the generated exit class: ZIF_EX_BADI_ZXFMCU08
call method cl_exithandler=>get_instance
  exporting
    exit_name = 'ZBADI_ZXFMCU08'.                  " BADI Name
  changing
    instance  = sc_exit.                            " Reference to the Class

* Call the method for the exit to update business place in Accounting
* Interface: Item Information
call method sc_exit->exit_saplfmr4_002
  changing
    ct accit = t accit[].                          " A/c Interface: Item Info
```



c) The BADI (ZBADI\_ZXFMCU08) is multiple uses BADI. In future if there requirements for the same customer exit, create a new implementation and a private method to apply logic in the BADI.

Hope this blog will prove helpful ,Pls feel free to reach out for anything ! :wink:

Thanks and Regards,

Kaynak <<https://community.sap.com/t5/application-development-blog-posts/how-to-implement-function-module-exits-using-badi/ba-p/13043978>>

```
*&-----*
*& Include           ZXFMCU08
*&-----*
IF sy-tcode EQ 'MRKO'.
  TYPES: BEGIN OF ty_awkey,
    bukrs TYPE accit-bukrs,
    gjahr TYPE accit-gjahr,
    zuonr TYPE bkpfc-awkey,
    posnr TYPE accit-posnr,
    matnr TYPE accit-matnr,
    hkont TYPE accit-hkont,
  END OF ty_awkey.

  DATA: ls_acccr_mrko      TYPE acccr,
        ls_accit_mrko     TYPE accit,
        ls_awkey          TYPE ty_awkey,
        lt_awkey          TYPE TABLE OF ty_awkey,
        lv_wrbtr_try_sum  TYPE acccr-wrbtr,
*       lv_wrbtr_usd_sum  TYPE acccr-wrbtr,
        lv_wrbtr_eur_sum   TYPE acccr-wrbtr,
*       lv_wrbtr_1_usd    TYPE acccr-wrbtr,
        lv_wrbtr_1_eur     TYPE acccr-wrbtr,
*       lv_wrbtr_last_usd TYPE acccr-wrbtr,
        lv_wrbtr_last_eur  TYPE acccr-wrbtr,
        lv_wrbtr_last_try  TYPE acccr-wrbtr,
        lv_rate            TYPE p DECIMALS 2,
        lv_kursf_pop_up    TYPE bkpfc-kursf.

  READ TABLE t_accit INTO ls_accit_mrko INDEX 1.
  IF sy-subrc IS INITIAL AND ls_accit_mrko-psws1 EQ 'USD'.

    CALL FUNCTION 'C14Z_IMPORT_FIELD_FROM_MEMORY'
      EXPORTING
        i_id      = 'KURSF_POP_UP'
      IMPORTING
        field     = lv_kursf_pop_up
      EXCEPTIONS
        no_import = 1
        OTHERS    = 2.

  LOOP AT t_accit INTO ls_accit_mrko WHERE zuonr IS NOT INITIAL.
    CLEAR ls_awkey.
    MOVE-CORRESPONDING ls_accit_mrko TO ls_awkey.
    APPEND ls_awkey TO lt_awkey.
  ENDLOOP.

  SELECT DISTINCT
    bk~bukrs,
    bk~gjahr,
    bk~awkey,
    bg~matnr,
*   bg~dmbe2,
    bg~dmbe3,
    lt~posnr
  FROM bseg AS bg
  INNER JOIN bkpfc AS bk
    ON bk~bukrs EQ bg~bukrs
    AND bk~belnr EQ bg~belnr
    AND bk~gjahr EQ bg~gjahr
```

```

INNER JOIN @lt_awkey AS lt
    ON lt~zuonr EQ bk~awkey
    AND lt~matnr EQ bg~matnr
    AND lt~hkont EQ bg~hkont
INTO TABLE @DATA(lt_eur_usd).

IF lt_eur_usd[] IS NOT INITIAL.

LOOP AT lt_eur_usd ASSIGNING FIELD-SYMBOL(<lfs_eur_usd>).
*   lv_wrbtr_usd_sum = lv_wrbtr_usd_sum + <lfs_eur_usd>-dmbe2.
*   lv_wrbtr_eur_sum = lv_wrbtr_eur_sum + <lfs_eur_usd>-dmbe3.
ENDLOOP.

DESCRIBE TABLE t_acccit LINES DATA(lv_lines_acccit).

READ TABLE t_acccit INDEX ( lv_lines_acccit ) INTO ls_acccit_mrko.
lv_rate = ( ls_acccit_mrko-kbetr / 1000 ).

*   READ TABLE lt_eur_usd INDEX 1 INTO DATA(ls_eur_usd).
*   lv_wrbtr_1_usd = lv_wrbtr_usd_sum + ( lv_wrbtr_usd_sum * lv_rate ).
*   lv_wrbtr_1_eur = lv_wrbtr_eur_sum + ( lv_wrbtr_eur_sum * lv_rate ).

*   lv_wrbtr_last_usd = lv_wrbtr_1_usd - lv_wrbtr_usd_sum.
*   lv_wrbtr_last_eur = lv_wrbtr_1_eur - lv_wrbtr_eur_sum.

LOOP AT t_acccr ASSIGNING FIELD-SYMBOL(<lfs_acccr>) WHERE curtp EQ '10' OR curtp EQ '40'.
    IF <lfs_acccr>-posnr EQ 1.
        IF <lfs_acccr>-curtp EQ '40'.
            <lfs_acccr>-wrbbtr = ( -1 ) * lv_wrbtr_1_eur.
        ENDIF.
    ELSEIF <lfs_acccr>-posnr EQ lv_lines_acccit.
        IF <lfs_acccr>-curtp EQ '40'.
            <lfs_acccr>-wrbbtr = lv_wrbtr_last_eur.
        ENDIF.
    ELSE.
        CLEAR: ls_eur_usd.
        IF <lfs_acccr>-curtp EQ '10'.
            READ TABLE t_acccr WITH KEY posnr = <lfs_acccr>-posnr
                curtp = '30' INTO ls_acccr_mrko.
            <lfs_acccr>-wrbbtr = ls_acccr_mrko-wrbbtr * lv_kursf_pop_up.
            lv_wrbtr_try_sum = lv_wrbtr_try_sum + <lfs_acccr>-wrbbtr.
        ELSEIF <lfs_acccr>-curtp EQ '40'.
            READ TABLE lt_eur_usd WITH KEY posnr = <lfs_acccr>-posnr INTO ls_eur_usd.
            <lfs_acccr>-wrbbtr = ls_eur_usd-dmbe3.
        ENDIF.
    ENDIF.
ENDLOOP.

READ TABLE t_acccr ASSIGNING <lfs_acccr> WITH KEY posnr = 1
    curtp = '10'.
<lfs_acccr>-wrbbtr = -1 * ( lv_wrbtr_try_sum + ( lv_wrbtr_try_sum * lv_rate ) ) .

lv_wrbtr_last_try = abs( <lfs_acccr>-wrbbtr ) - lv_wrbtr_try_sum.

READ TABLE t_acccr ASSIGNING <lfs_acccr> WITH KEY posnr = lv_lines_acccit
    curtp = '10'.
<lfs_acccr>-wrbbtr = lv_wrbtr_last_try.
ENDIF.
ENDIF.
ENDIF.

```

# Şenol abininki

7 Ekim 2025 Salı 17:43

```
FUNCTION zaein_ws_mm_invoice.  
*-----  
* Local Interface:  
** IMPORTING  
**   VALUE(IV_CREATE_START_DATE) TYPE ERDAT OPTIONAL  
**   VALUE(IV_CREATE_END_DATE) TYPE ERDAT OPTIONAL  
**   VALUE(IV_CREATE_START_TIME) TYPE STRING OPTIONAL  
**   VALUE(IV_CREATE_END_TIME) TYPE STRING OPTIONAL  
**   VALUE(IV DEALER_NO) TYPE STRING OPTIONAL  
**   VALUE(IV FLAG) TYPE STRING OPTIONAL  
**   VALUE(IV SYSTEM) TYPE ZAEIN_DE002 OPTIONAL  
** EXPORTING  
**   VALUE(ET_INVOICE) TYPE ZAEIN_WS_MM_INVOICE_TT4  
*-----  
  
TYPES tr_create_date TYPE RANGE OF budat.  
DATA lr_create_date TYPE tr_create_date.  
DATA ls_create_date LIKE LINE OF lr_create_date.  
TYPES tr_create_time TYPE RANGE OF cputm.  
DATA lr_create_time TYPE tr_create_time.  
DATA ls_create_time LIKE LINE OF lr_create_time.  
DATA lv_start_date TYPE datum.  
DATA lv_start_time TYPE uzeit.  
DATA lv_werks TYPE werks_d.  
TYPES tr_dealers TYPE RANGE OF werks_d.  
DATA lr_dealers TYPE tr_dealers.  
DATA lr_dealers_hdr TYPE tr_dealers.  
DATA ls_dealer LIKE LINE OF lr_dealers.  
DATA ls_invoice TYPE zaein_ws_mm_invoice_st4.  
DATA lt_invoice_item_tab TYPE zaein_ws_mm_invoice_tt3.  
DATA ls_invoice_item_tab TYPE zaein_ws_mm_invoice_st3.  
TYPES tr_belnr TYPE RANGE OF belnr_d.  
DATA lt_belnr TYPE tr_belnr.  
DATA ls_belnr LIKE LINE OF lt_belnr.  
DATA lr_dealers_cyr TYPE RANGE OF werks_d.  
  
* DATA : lt_gibs TYPE STANDARD TABLE OF zaein_ws_mm_invoice_tt5.  
  
SELECT * FROM zaein_t001 INTO TABLE @DATA(lt_active_dealers) WHERE systemid = @iv_system.  
  
IF lt_active_dealers IS NOT INITIAL.  
  
  SPLIT iv_dealer_no AT '-' INTO TABLE DATA(lt_dealers).  
  
  IF lt_dealers IS NOT INITIAL.  
    LOOP AT lt_dealers ASSIGNING FIELD-SYMBOL(<fs_dealer>).  
      CALL FUNCTION 'CONVERSION_EXIT_ALPHA_OUTPUT'  
        EXPORTING  
          input = <fs_dealer>  
        IMPORTING  
          output = <fs_dealer>.  
  
      READ TABLE lt_active_dealers TRANSPORTING NO FIELDS WITH KEY dealercode = <fs_dealer>.  
      IF sy-subrc EQ 0.  
  
        ls_dealer-low = <fs_dealer>.  
        ls_dealer-option = 'EQ'.  
        ls_dealer-sign = 'I'.  
        APPEND ls_dealer TO lr_dealers.  
        CLEAR : ls_dealer.  
      ENDIF.  
    ENDLOOP.  
  ELSE.  
    LOOP AT lt_active_dealers INTO DATA(ls_active_dealers).  
      ls_dealer-low = ls_active_dealers-dealercode.  
      ls_dealer-option = 'EQ'.  
      ls_dealer-sign = 'I'.  
      APPEND ls_dealer TO lr_dealers.  
      CLEAR : ls_dealer.  
    ENDLOOP.  
  ENDIF.  
  
*{ US ML-2898  
  "DEALER RANGE BOŞ KALIRSA TÜM KAYITLARI DÖNÜYOR.  
  "DÖNMEMELİ  
  IF lr_dealers[] IS INITIAL.  
    RETURN.  
  ENDIF.  
  
  lr_dealers_hdr[] = lr_dealers[].
```

```

SELECT DISTINCT
    vwerk,
    vkorg
FROM knvv
WHERE vwerk IN @lr_dealers
    AND loevn EQ ''
INTO TABLE @DATA(lt_vkorg).
IF sy-subrc = 0.
LOOP AT lt_vkorg INTO DATA(ls_vkorg).
    IF /ddms/cus_actions=>ctrl_is_active( i_ctrid = '00018' i_vkorg = ls_vkorg-vkorg ) EQ abap_true.
        APPEND INITIAL LINE TO lr_dealers_cyr ASSIGNING FIELD-SYMBOL(<ls_dealers_cyr>).
        <ls_dealers_cyr>-low = ls_vkorg-vwerk.
        <ls_dealers_cyr>-option = 'EQ'.
        <ls_dealers_cyr>-sign = 'I'.
        DELETE lr_dealers_hdr WHERE low = ls_vkorg-vwerk.
    ENDIF.
ENDLOOP.
ENDIF.
ENDIF.
*} US ML-2898

lv_start_date = iv_create_start_date.
lv_start_time = iv_create_start_time.

IF iv_create_start_date IS NOT INITIAL OR iv_create_end_date IS NOT INITIAL.
    IF iv_create_end_date IS INITIAL.
        ls_create_date-option = 'GE'.
    ELSE.
        ls_create_date-option = 'BT'.
    ENDIF.

    ls_create_date-sign = 'I'.
    ls_create_date-low = iv_create_start_date.
    ls_create_date-high = iv_create_end_date.
    APPEND ls_create_date TO lr_create_date.
    CLEAR: ls_create_date.
ENDIF.

IF iv_create_start_time IS NOT INITIAL OR iv_create_end_time IS NOT INITIAL.
    IF iv_create_end_time IS INITIAL.
        ls_create_time-option = 'GE'.
    ELSE.
        ls_create_time-option = 'BT'.
    ENDIF.

    ls_create_time-sign = 'I'.
    ls_create_time-low = iv_create_start_time.
    ls_create_time-high = iv_create_end_time.
    APPEND ls_create_time TO lr_create_time.
    CLEAR: ls_create_time.
ENDIF.

IF lr_dealers_hdr[] IS NOT INITIAL.

"--> ML-9931 - seray -gardic
SELECT SINGLE werks, vkorg FROM t001w INTO @DATA(ls_t001w) WHERE werks IN @lr_dealers_hdr.

IF ls_t001w-vkorg EQ '2210'. "Moldova

SELECT DISTINCT
    rb~belnr AS invoice_no,
    k1~altnr AS partner_no,
    rb~lifnr AS vendor_no,
    ek~bsart AS purchase_order_type ,
    ek~ihrez AS order_no,
    lpad( rs~werks , 10 , '0' ) AS dealer_distr_no,
    CAST( '' AS CHAR( 30 ) ) AS purchase_order_type_text,
    bt~name_org1 AS customer_name,
    rb~bldat AS billing_date,
    rb~vgart AS invoice_type,
    rb~usnam AS created_by,
    rb~budat AS created_on,
    rb~cpum AS created_time,
    CASE WHEN rb~stblg IS INITIAL THEN ''
        ELSE 'X' END AS cancellation_info,
    s~gibnumber AS e_document_no,
    CASE WHEN ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z006' THEN CAST( s2~gibnumber AS CHAR( 23 ) )
        ELSE z46~ta_id END AS waybill_no,
    rb~waers AS currency,
    rb~rmwwr AS total_price,
    rb~wmwst1 AS total_tax,
    CAST( '' AS CHAR ) AS platenumber,
    CAST( '' AS CHAR ) AS driver_name,
    rb~gjahr,

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log~belnr,
ek~ebeln AS purchasing_document,
ep~bsgru,
ek~bukrs,
rb~ivtyp,
CAST( ' ' AS CHAR( 10 ) ) AS kacustomer,
tbsgt~bezei AS orderreason,
CAST( ' ' AS CHAR( 35 ) ) AS shippingno,
CAST( ' ' AS CHAR( 40 ) ) AS Reference
FROM rbkp AS rb

INNER JOIN rseg AS rs ON rb~belnr = rs~belnr

INNER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
AND ep~ebelp = rs~ebelp
AND ep~elikz = 'X'

LEFT OUTER JOIN tbsgt ON tbsgt~spras = @sy-langu
AND tbsgt~bsgru = ep~bsgru
LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln

LEFT OUTER JOIN /slv/tr_ei_t100 AS s ON rb~belnr = s~awref

LEFT OUTER JOIN knbl AS k1 ON k1~kunnr = rb~lifnr
AND k1~loevm EQ ''
LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr

LEFT OUTER JOIN matdoc AS mt ON mt~ebeln = ep~ebeln
AND mt~ebelp = ep~ebelp
AND mt~cancelled IS INITIAL
LEFT OUTER JOIN /slv/tr_ed_t100 AS s2 ON mt~mblnr = s2~mblnr
AND mt~mjahr = s2~mjahr

LEFT OUTER JOIN zaesd_t046_h AS z46 ON ek~ihrez = lpad( z46~vbeln, 10, '0' )

LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
AND log~belnr = rb~belnr
AND log~gjahr = rb~gjahr

WHERE ( rb~budat GT @lv_start_date OR ( rb~budat EQ @lv_start_date AND rb~cputm GE @lv_start_time ) )
AND ( ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z005' OR ek~bsart EQ 'Z006' OR ek~bsart = 'Z010'
OR ek~bsart = 'Z011' OR ek~bsart = 'Z012' OR ek~bsart = 'Z013' )
AND rs~werks IN @lr_dealers_hdr
INTO TABLE @DATA(lt_invoice_header).

"--> ML-9931 - seray -gardic
ELSE.

SELECT DISTINCT
rb~belnr AS invoice_no,
kl~altnr AS partner_no,
rb~lifnr AS vendor_no,
ek~bsart AS purchase_order_type ,
ek~ihrez AS order_no,
lpad( rs~werks , 10 , '0' ) AS dealer_distr_no,
CAST( ' ' AS CHAR( 30 ) ) AS purchase_order_type_text,
bt~name_org1 AS customer_name,
rb~bldat AS billing_date,
rb~vgart AS invoice_type,
rb~usnam AS created_by,
rb~budat AS created_on,
rb~cputm AS created_time,
CASE WHEN rb~stblg IS INITIAL THEN ''
ELSE 'X' END AS cancellation_info,
s~gibnumber AS e_document_no,
* CASE WHEN ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z006' THEN concat( 'ISO', s2~object_key )
CASE WHEN ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z006' THEN CAST( s2~gibnumber AS CHAR( 23 ) )
ELSE z46~ta_id END AS waybill_no,
* rb~xblnr AS waybill_no,
rb~waers AS currency,
rb~rmwrr AS total_price,
rb~wmwst1 AS total_tax,
CAST( ' ' AS CHAR ) AS platenumber,
CAST( ' ' AS CHAR ) AS driver_name,
rb~gjahr,
log~belnr,
ek~ebeln AS purchasing_document,
ep~bsgru,
ek~bukrs,
rb~ivtyp , "Added MC/MO-15.05.2025
CASE

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WHEN ek~bsart EQ 'Z005' THEN vb~kunnr
ELSE CAST( ' ' AS CHAR( 10 ) ) END AS kacustomer,
tbsgt~bezei AS orderreason,
es~xblnr AS shippingno ,
ek~unsez AS Reference
FROM rbkp AS rb

*{ US ML-5262
*      LEFT OUTER JOIN rseg AS rs ON rb~belnr = rs~belnr
*
*      LEFT OUTER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
*                                  AND ep~ebelp = rs~ebelp
*      INNER JOIN rseg AS rs ON rb~belnr = rs~belnr
*
*      INNER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
*                                  AND ep~ebelp = rs~ebelp
*                                  AND ep~elikz = 'X'
*} US ML-5262
      LEFT OUTER JOIN tbsgt ON tbsgt~spras = @sy-langu
                                  AND tbsgt~bsgru = ep~bsgru

      LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln

      LEFT OUTER JOIN vbak AS vb ON vb~vbeln = ek~unsez

      LEFT OUTER JOIN /slv/tr_ei_t100 AS s ON rb~belnr = s~awref

      LEFT OUTER JOIN knbl AS k1 ON k1~kunnr = rb~lifnr
                                  AND k1~loevn EQ ''
      LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr

*
*      LEFT OUTER JOIN matdoc AS mt ON mt~ebeln = rs~ebeln
*                                  AND mt~ebelp = rs~ebelp
*                                  AND ( ek~bsart = 'Z002' OR ek~bsart = 'Z006' )
*                                  AND mt~cancelled IS INITIAL
      LEFT OUTER JOIN matdoc AS mt ON mt~ebeln = ep~ebeln
                                  AND mt~ebelp = ep~ebelp
                                  AND mt~cancelled IS INITIAL
      LEFT OUTER JOIN /slv/tr_ed_t100 AS s2 ON mt~mblnr = s2~mblnr
                                  AND mt~mjahr = s2~mjahr

      LEFT OUTER JOIN zaesd_t046_h AS z46 ON ek~ihrez = lpad( z46~vbeln, 10, '0' )

      LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
                                  AND log~belnr = rb~belnr
                                  AND log~gjahr = rb~gjahr

      LEFT OUTER JOIN ekes AS es ON es~ebeln = rs~ebeln
                                  AND es~ebelp = rs~ebelp

      WHERE ( concat( concat( substring( s~date_created, 1, 4 ), substring( s~date_created, 6, 2 ) ), substr
string( s~date_created, 9, 2 ) ) GT @lv_start_date
          OR ( concat( concat( substring( s~date_created, 1, 4 ), substring( s~date_created, 6, 2 ) ), substr
string( s~date_created, 9, 2 ) ) EQ @lv_start_date
          AND concat( concat( substring( s~date_created, 12, 2 ), substring( s~date_created, 15, 2 ) ), substr
string( s~date_created, 19, 2 ) ) GE @lv_start_time )
          AND ( ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z005' OR ek~bsart EQ 'Z006' OR ek~bsart = 'Z010' OR ek~bs
art = 'Z011' OR ek~bsart = 'Z012' OR ek~bsart = 'Z013' )
          AND rs~werks IN @lr_dealers_hdr
      INTO TABLE @lt_invoice_header.

ENDIF.
ENDIF.
IF lr_dealers_cyr[] IS NOT INITIAL.

      SELECT DISTINCT
rb~belnr AS invoice_no,
k1~altn AS partner_no,
rb~lifnr AS vendor_no,
ek~bsart AS purchase_order_type ,
ek~ihrez AS order_no,
lpad( rs~werks , 10 , '0' ) AS dealer_distr_no,
CAST( ' ' AS CHAR( 30 ) ) AS purchase_order_type_text,
bt~name_org1 AS customer_name,
rb~bldat AS billing_date,
rb~vgart AS invoice_type,
rb~usnam AS created_by,
rb~budat AS created_on,
rb~cputm AS created_time,
CASE WHEN rb~sttblg IS INITIAL THEN ''
      ELSE 'X' END AS cancellation_info,
rb~xblnr AS e_document_no,

```

```

*      CASE WHEN ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z006' THEN concat( 'ISO', s2~object_key )
        z46~ta_id AS waybill_no,
        rb~waers AS currency,
        rb~rmwrr AS total_price,
        rb~wmwst1 AS total_tax,
        CAST( '          ' AS CHAR ) AS platenumber,
        CAST( '          ' AS CHAR ) AS driver_name,
        rb~gjahr,
        log~belnr,
        ek~ebeln AS purchasing_document,
        ep~bsgru,
        rb~bukrs,
        rb~ivtyp, "Added MC/MO-15.05.2025

CASE
    WHEN ek~bsart EQ 'Z005' THEN vb~kunnnr
    ELSE CAST( '          ' AS CHAR( 10 ) ) END AS kacustomer,
    tbsgt~bezei AS orderreason,
    es~xblnr AS shippingno,
    ek~unsez AS Reference
FROM rbkp AS rb
INNER JOIN rseg AS rs ON rb~belnr = rs~belnr

INNER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
    AND ep~ebelp = rs~ebelp
    AND ep~elikz = 'X'
LEFT OUTER JOIN tbsgt ON tbsgt~spras = @sy-langu
    AND tbsgt~bsgru = ep~bsgru

LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln

LEFT OUTER JOIN vbak AS vb ON vb~vbeln = ek~unsez

LEFT OUTER JOIN knbl AS k1 ON k1~kunnnr = rb~lifnr
    AND k1~loevm EQ ''
LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr
LEFT OUTER JOIN matdoc AS mt ON mt~ebeln = ep~ebeln
    AND mt~ebelp = ep~ebelp
    AND mt~cancelled IS INITIAL
LEFT OUTER JOIN /slv/tr_ed_t100 AS s2 ON mt~mblnr = s2~mblnr
    AND mt~mjahr = s2~mjahr

LEFT OUTER JOIN zaesd_t046_h AS z46 ON ek~ihrez = lpad( z46~vbeln, 10, '0' )

LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
    AND log~belnr = rb~belnr
    AND log~gjahr = rb~gjahr
LEFT OUTER JOIN ekes AS es ON es~ebeln = rs~ebeln
    AND es~ebelp = rs~ebelp

WHERE ( ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z005' OR ek~bsart EQ 'Z006' OR ek~bsart = 'Z010' OR ek~bsart
= 'Z011' OR ek~bsart = 'Z012' OR ek~bsart = 'Z013' )
    AND rs~werks IN @lr_dealers_cyr
    AND ep~creationtime GE @lv_start_time   "" ???
    AND ep~creationdate GE @lv_start_date
APPENDING CORRESPONDING FIELDS OF TABLE @lt_invoice_header.

ENDIF.

*revize öncesi belgenin e-irsaliye numarasinin bulunmasi
SELECT "data~ebeln,
        t055~ebeln_n,
        t055~ebeln_o,
        t100~mblnr,
        t100~mjahr,
        t100~gibnumber
FROM @lt_invoice_header AS data

INNER JOIN zaesd_t055 AS t055 ON t055~ebeln_n = data~purchasing_document

LEFT OUTER JOIN ekbe ON ekbe~ebeln = t055~ebeln_o
    AND ekbe~vgabe = '1'
    AND ekbe~bwart = '161'

LEFT OUTER JOIN /slv/tr_ed_t100 AS t100 ON t100~mblnr = ekbe~belnr
    AND t100~mjahr = ekbe~gjahr

WHERE data~waybill_no IS INITIAL
    AND data~purchase_order_type IN ( 'Z002', 'Z006', 'Z010', 'Z011', 'Z012', 'Z013' )
INTO TABLE @DATA(lt_t055).

IF sy-subrc = 0.
LOOP AT lt_t055 INTO DATA(ls_t055).

    IF ls_t055~ebeln_o IS INITIAL. "sanal iadelerde kayitlarda eski sas bos olur ve irsaliye olmaz

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"----->MCELIK ML-1888
LOOP AT lt_invoice_header ASSIGNING FIELD-
SYMBOL(<ls_invoice_header>) WHERE purchasing_document = ls_t055-ebeln_n.
*      READ TABLE lt_invoice_header ASSIGNING FIELD-
SYMBOL(<ls_invoice_header>) WITH KEY purchasing_document = ls_t055-ebeln_n.
  <ls_invoice_header>-waybill_no = 'SANALIADE'.

ENDLOOP.
"<---->MCELIK ML-1888
ELSE.
"----->MCELIK ML-1888
LOOP AT lt_invoice_header ASSIGNING <ls_invoice_header> WHERE purchasing_document = ls_t055-ebeln_n.
*      READ TABLE lt_invoice_header ASSIGNING FIELD-
SYMBOL(<ls_invoice_header>) WITH KEY purchasing_document = ls_t055-ebeln_n.
  <ls_invoice_header>-waybill_no = ls_t055-gibnumber.
ENDLOOP.
"<---->MCELIK ML-1888
ENDIF.
ENDLOOP.
ENDIF.

*revize öncesi belgenin e-irsaliye numarasinin bulunmasi

""-->MCELIK ML-1667
LOOP AT lt_invoice_header ASSIGNING FIELD-SYMBOL(<fs_invoice_header>).

IF <fs_invoice_header>-bsgru = '004' OR
  <fs_invoice_header>-bsgru = '005'.

  <fs_invoice_header>-waybill_no = 'NAKLIYEFARK'.

* ELSEIF <fs_invoice_header>-bsgru = '037'.
*   <fs_invoice_header>-waybill_no = 'KEYACCOUNTFARK'.

ENDIF.
ENDLOOP.
""<--MCELIK ML-1667

""-->MCELIK ML-2074
* DELETE lt_invoice_header WHERE waybill_no IS INITIAL.

LOOP AT lt_invoice_header ASSIGNING FIELD-SYMBOL(<fs_invheader>) WHERE waybill_no IS INITIAL.
  <fs_invheader>-waybill_no = 'DIGERIADE'.
ENDLOOP.
""-->MCELIK ML-2074


IF lt_invoice_header IS NOT INITIAL.
  SELECT invoice_no AS invoice_no , COUNT( invoice_no ) AS count FROM @lt_invoice_header AS lt
    GROUP BY invoice_no
    HAVING COUNT( invoice_no ) > 1
    INTO TABLE @DATA(lt_deletion_tab) .

  LOOP AT lt_deletion_tab ASSIGNING FIELD-SYMBOL(<fs_deletion>).
    DELETE lt_invoice_header WHERE invoice_no EQ <fs_deletion>-invoice_no
      AND waybill_no IS INITIAL.
  ENDLOOP.
ENDIF.
SELECT DISTINCT
  rb~belnr AS invoice_no,
  k1~altnr AS partner_no,
  rb~lifnr AS vendor_no,
  ek~bsart AS purchase_order_type ,
  ek~ihrez AS order_no,
  lpad( rs~werks, 10, '0' ) AS dealer_distr_no,
  CAST( ' ' AS CHAR( 30 ) ) AS purchase_order_type_text,
  bt~name_org1 AS customer_name,
  rb~bldat AS billing_date,
  rb~vgart AS invoice_type,
  rb~usnam AS created_by,
  rb~budat AS created_on,
  rb~cputm AS created_time,
  CASE WHEN rb~stblg IS INITIAL THEN ''
    ELSE 'X' END AS cancellation_info,
  rb~xblnr AS e_document_no,
  rb~xblnr AS waybill_no,
  substring( lp~zzwaybill, 1, 23 ) AS waybill_no,
  rb~waers AS currency,
  rb~rmwwr AS total_price,
  rb~wmwst1 AS total_tax,
  lp~zzplate AS platenumber,
  lp~zzdriver AS driver_name,

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```

rb~gjahr,
log~belnr,

ek~ebeln AS purchasing_document,
ep~bsgru,
rb~bukrs,
rb~ivtyp, "Added MC/MO-15.05.2025

CASE
    WHEN ek~bsart EQ 'Z005' THEN vb~kunnnr
    ELSE CAST( '' AS CHAR( 10 ) ) END AS kacustomer,
    tbsgt~bezei AS orderreason,
    es~xblnr AS shippingno,
    ek~unsez AS Reference
    FROM rbkp AS rb

*{ US ML-5262
*   LEFT OUTER JOIN rseg AS rs ON rb~belnr = rs~belnr
*
*   ""-->MCELIK ML-1667
*   LEFT OUTER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
*           AND ep~ebelp = rs~ebelp
*   ""<--MCELIK ML-1667
*       INNER JOIN rseg AS rs ON rb~belnr = rs~belnr

        INNER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
                AND ep~ebelp = rs~ebelp
                AND ep~elikz = 'X'
*} US ML-5262

LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln

LEFT OUTER JOIN tbsgt ON tbsgt~spras = @sy-langu
AND tbsgt~bsgru = ep~bsgru

LEFT OUTER JOIN vbak AS vb ON vb~vbeln = ek~unsez

LEFT OUTER JOIN knbl1 AS k1 ON k1~kunnnr = rb~lifnr
AND k1~loevm = ''
LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr

LEFT OUTER JOIN ekes AS es ON es~ebeln = rs~ebeln
AND es~ebelp = rs~ebelp

LEFT OUTER JOIN likp AS lp ON lp~vbeln = es~vbeln
AND lp~wbstk = 'C'

LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
AND log~belnr = rb~belnr
AND log~gjahr = rb~gjahr

WHERE ( rb~budat GT @lv_start_date OR ( rb~budat EQ @lv_start_date AND rb~cputm GE @lv_start_time ) )
    AND ( ek~bsart = 'Z001' OR ek~bsart = 'Z003' OR ek~bsart = 'Z014' OR ek~bsart = 'Z015' OR ek~bsart = 'Z016'
OR ek~bsart = 'Z017' )
    AND rs~werks IN @lr_dealers

INTO TABLE @DATA(lt_invoice_header_2).

LOOP AT lt_invoice_header_2 ASSIGNING FIELD-SYMBOL(<fs_invoice_header_2>) WHERE waybill_no IS INITIAL.
IF <fs_invoice_header_2>-bsgru = '037'.
    <fs_invoice_header_2>-waybill_no = 'KEYACCOUNTFARK'.
ENDIF.

"ML-5481 SENOLK 18.09.24
IF <fs_invoice_header_2>-waybill_no IS INITIAL AND
<fs_invoice_header_2>-e_document_no IS NOT INITIAL.

    DATA: lv_temp_vbeln TYPE vbeln_va.

    lv_temp_vbeln = <fs_invoice_header_2>-order_no.

    SELECT SINGLE * FROM zaesd_t107 WHERE
    vbeln = @lv_temp_vbeln AND

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ebeln = @<fs_invoice_header_2>-purchasing_document
INTO @DATA(ls_t107).
IF sy-subrc = 0.
<fs_invoice_header_2>-waybill_no =
<fs_invoice_header_2>-e_document_no.
ENDIF.

ENDIF.

"ML-5481 SENOLK 18.09.24

ENDLOOP.

"MLD-801 Moldova sirket kodu eklendi
DELETE lt_invoice_header_2 WHERE waybill_no IS INITIAL AND bukrs NE 'MD00'.

IF lt_invoice_header_2 IS NOT INITIAL.
SELECT
  invoice_no AS invoice_no,
  COUNT( invoice_no ) AS count
  FROM @lt_invoice_header_2 AS lt GROUP BY invoice_no
  HAVING COUNT( invoice_no ) > 1
  INTO TABLE @DATA(lt_deletion_tab_2).

LOOP AT lt_deletion_tab_2 ASSIGNING FIELD-SYMBOL(<fs_deletion2>).

DELETE lt_invoice_header_2 WHERE invoice_no EQ <fs_deletion2>-invoice_no
  AND waybill_no IS INITIAL.
ENDIF.

"-----+-----> Getting Supplier Infos <-----+-----+ {#YHSENER}® [11.04.2025 17:46:14]
SELECT DISTINCT hdr~invoice_no, rbk~bktxt, lfa~lifnr, lfa~stcd1, lfa~name1
  FROM @lt_invoice_header_2 AS hdr
  INNER JOIN rbkp AS rbk ON rbk~belnr EQ hdr~invoice_no
  LEFT OUTER JOIN lfa1 AS lfa ON lfa~lifnr EQ rbk~lifnr
  WHERE hdr~bukrs EQ 'MD00'
  ORDER BY hdr~invoice_no "For BS
  INTO TABLE @DATA(supplier_infos).

ENDIF.

SELECT DISTINCT
  rb~belnr AS invoice_no,
  k1~altnr AS partner_no,
  rb~lifnr AS vendor_no,
  ek~bsart AS purchase_order_type ,
  ek~ihrez AS order_no,
  lpad( rs~werks, 10, '0' ) AS dealer_distr_no,
  CAST( ' ' AS CHAR( 30 ) ) AS purchase_order_type_text,
  bt~name_org1 AS customer_name,
  rb~bldat AS billing_date,
  rb~vgart AS invoice_type,
  rb~usnam AS created_by,
  rb~bdat AS created_on,
  rb~cputm AS created_time,
  CASE WHEN rb~stblg IS INITIAL THEN ''
    ELSE 'X' END AS cancellation_info,
  substring( z47~invoiceid, 1, 16 ) AS e_document_no,
  substring( lp~zzwaybill , 1 , 23 ) AS waybill_no,
  CAST( 'KEYACCOUNT' AS CHAR ) AS waybill_no,
  rb~waers AS currency,
  rb~rmwwr AS total_price,
  rb~wmwst1 AS total_tax,
  CAST( ' ' AS CHAR ) AS platenumber,
  CAST( ' ' AS CHAR ) AS driver_name,
  rb~gjahr,
  log~belnr,

  ek~ebeln AS purchasing_document,
  rb~bukrs,
  rb~ivtyp "Added MC/MO-15.05.2025
, es~xblnr AS shippingno
FROM rbkp AS rb

LEFT OUTER JOIN rseg AS rs ON rb~belnr = rs~belnr
LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln
LEFT OUTER JOIN zaesd_t047_h AS z47 ON ek~ihrez = lpad( z47~vbeln, 10, '0' )
LEFT OUTER JOIN knb1 AS k1 ON k1~kunnr = rb~lifnr
  AND k1~loevm = ''
LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr

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```

LEFT OUTER JOIN ekes AS es ON es~ebeln = rs~ebeln
    AND es~ebelp = rs~ebelp

LEFT OUTER JOIN likp AS lp ON lp~vbeln = es~vbeln

LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
    AND log~belnr = rb~belnr
    AND log~gjahr = rb~gjahr

WHERE ( z47~erdat GT @lv_start_date OR ( z47~erdat = @lv_start_date AND z47~erzet GE @lv_start_time ) )
    AND ( ek~bsart = 'Z004' )
    AND rs~werks IN @lr_dealers

INTO TABLE @DATA(lt_invoice_header_3).

*      DELETE lt_invoice_header_3 WHERE waybill_no IS INITIAL.

APPEND LINES OF lt_invoice_header_2 TO lt_invoice_header.
APPEND LINES OF lt_invoice_header_3 TO lt_invoice_header.

IF iv_flag = 'X'.

    DELETE lt_invoice_header WHERE belnr IS NOT INITIAL.

*      et_invoice_item = VALUE #( FOR lwa_source IN lt_invoice_header WHERE ( belnr IS INITIAL ) ( CORRESPONDING #
( lwa_source ) ) ).

    IF iv_system = 'LOGO'.
        DATA lt_t006 TYPE TABLE OF zaein_t006.

        SELECT DISTINCT
            'LOGO' AS sysid,
            data~invoice_no AS belnr,
            data~gjahr

        FROM @lt_invoice_header AS data
        INTO CORRESPONDING FIELDS OF TABLE @lt_t006.

        MODIFY zaein_t006 FROM TABLE lt_t006.
    ENDIF.

    ELSE.

*      et_invoice_item = VALUE #( FOR lwa_source IN lt_invoice_item ( CORRESPONDING #( lwa_source ) ) ).

    ENDIF.

SORT lt_invoice_header BY invoice_no ASCENDING.
DELETE ADJACENT DUPLICATES FROM lt_invoice_header.

LOOP AT lt_invoice_header ASSIGNING FIELD-SYMBOL(<fs_header>).
    IF <fs_header>-purchase_order_type EQ 'Z001'
    OR <fs_header>-purchase_order_type EQ 'Z003'
    OR <fs_header>-purchase_order_type EQ 'Z004'
    OR <fs_header>-purchase_order_type EQ 'Z014' "MMLD-801 moldova belge türleri eklendi.
    OR <fs_header>-purchase_order_type EQ 'Z015'
    OR <fs_header>-purchase_order_type EQ 'Z016'
    OR <fs_header>-purchase_order_type EQ 'Z017'.

        <fs_header>-purchase_order_type_text = 'Satin Alma Faturasi'.

    ELSEIF <fs_header>-purchase_order_type EQ 'Z002'
        OR <fs_header>-purchase_order_type EQ 'Z005'
        OR <fs_header>-purchase_order_type EQ 'Z006'
        OR <fs_header>-purchase_order_type EQ 'Z010' "MMLD-801 moldova belge türleri eklendi.
        OR <fs_header>-purchase_order_type EQ 'Z011'
        OR <fs_header>-purchase_order_type EQ 'Z012'
        OR <fs_header>-purchase_order_type EQ 'Z013'.

            <fs_header>-purchase_order_type_text = 'Satıcıya İade Faturası'.

    ENDIF.

ENDLOOP.

IF lt_invoice_header IS NOT INITIAL.

```

```

SELECT DISTINCT
rs~belnr,
rs~mwsrz,
rs~werks,
rs~ebelp, "ML-10059 / 06.09.25 - mk
ek~bsart,
*
z47~invoiceid,
s~gibnumber,
z47~vbeln,
ek~ihrez,
rs~matnr AS material_no,
mt~maktx AS material_text,
rs~buzei AS po_doc_item,
rs~menge AS order_quantity,
rs~bstme AS po_unit,
rs~wrbr AS net_price,
" rs~wrbr AS vat,
rs~wrbr AS total_price,
ep~lgort AS stge_loc,
"ebruc MMLD-801 comment 140425 added
ek~bukrs
"ebruc MMLD-801 comment 140425 added

FROM rseg AS rs

LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln
LEFT OUTER JOIN ekpo AS ep ON ep~ebelp = rs~ebelp
AND ep~ebeln = rs~ebeln
LEFT OUTER JOIN t001 AS t1 ON t1~bukrs = ek~bukrs " ML-10070 / 07.09.25 - mk
LEFT OUTER JOIN makt AS mt ON mt~spras = t1~spras " ML-10070 / 07.09.25 - mk / 'T'
AND mt~matnr = rs~matnr

"ebruc MMLD-801 comment 140425
" LEFT OUTER JOIN prcd_elements AS pr ON pr~knumv = ek~knumv
AND ( pr~kschl = 'ZISK'
AND pr~kposn = lpad( ep~ebelp, 6, '0' ) )
"ebruc MMLD-801 comment 140425
* LEFT OUTER JOIN zaesd_t047_h AS z47 ON ek~ihrez EQ lpad( z47~vbeln, 10, '0' )

* LEFT OUTER JOIN /slv/tr_ei_t100 AS s ON rs~belnr = s~awref

FOR ALL ENTRIES IN @lt_invoice_header

WHERE rs~belnr EQ @lt_invoice_header-invoice_no
INTO TABLE @DATA(lt_items).

"ebruc MMLD-801 comment 140425 added
SELECT
rs~belnr,
rs~ebelp, "ML-10059 / 06.09.25 - mk
rs~buzei AS po_doc_item,
pr~kschl,
pr~kwert,
ek~bukrs
FROM rseg AS rs
INNER JOIN @lt_items AS t ON rs~belnr EQ t~belnr AND
rs~buzei EQ t~po_doc_item
INNER JOIN ekko AS ek ON rs~ebeln = ek~ebeln
INNER JOIN prcd_elements AS pr ON pr~knumv = ek~knumv AND
( pr~kschl = 'ZISK' OR pr~kschl = 'ZMEX' OR
pr~kschl = 'PBXX' OR pr~kschl = 'ZVAT' )
AND pr~kposn = lpad( rs~ebelp, 6, '0' )
INTO TABLE @DATA(lt_prcd).

SELECT t~bukrs,t~belnr,SUM( kwert ) AS kwert
FROM @lt_prcd AS t
WHERE kschl = 'ZISK'
GROUP BY belnr,bukrs
ORDER BY belnr,bukrs
INTO TABLE @DATA(lt_totaldsnt).

"ebruc MMLD-801 comment 140425 added

ENDIF.

IF lt_items IS NOT INITIAL.
SELECT DISTINCT mrm~matnr, umren
FROM @lt_items AS itm
INNER JOIN marm AS mrm ON mrm~matnr EQ itm~material_no
AND mrm~meinh EQ 'ST'
ORDER BY mrm~matnr
INTO TABLE @DATA(uom_coefficient_list).

```

```

ENDIF.

DATA : lv_total_price TYPE zaein_ws_mm_invoice_st4-invoice_header-total_price,
      lv_total_tax   TYPE zaein_ws_mm_invoice_st4-invoice_header-total_tax.

LOOP AT lt_invoice_header INTO DATA(ls_invoice_header).

CLEAR : lv_total_tax,lv_total_price.

LOOP AT lt_items ASSIGNING FIELD-SYMBOL(<fs_item>) WHERE belnr EQ ls_invoice_header-invoice_no.

READ TABLE uom_coefficient_list ASSIGNING FIELD-SYMBOL(<fscoe>) WITH KEY matnr = <fs_item>-material_no
BINARY SEARCH.

IF sy-subrc IS INITIAL.
  ls_invoice_item_tab-uom_coefficient = <fscoe>-umren.
ENDIF.

CALL FUNCTION 'CONVERSION_EXIT_MATN1_OUTPUT'
  EXPORTING
    input = <fs_item>-material_no
  IMPORTING
    output = <fs_item>-material_no.

"ebruc 140425 MMLD-801 added

READ TABLE lt_prcd INTO DATA(ls_prcd) WITH KEY kschl = 'ZISK'
  belnr = <fs_item>-belnr
  po_doc_item = <fs_item>-po_doc_item.
IF sy-subrc = 0.
  ls_invoice_item_tab-discount = ls_prcd-kwert.
ENDIF.

READ TABLE lt_prcd INTO ls_prcd WITH KEY kschl = 'ZMEX'
  belnr = <fs_item>-belnr
  po_doc_item = <fs_item>-po_doc_item.
IF sy-subrc = 0.
  ls_invoice_item_tab-excise = ls_prcd-kwert.
ENDIF.

*>> ML-10059 / 06.09.25 - mk
*   IF <fs_item>-bukrs = 'MD00'.
*
*     READ TABLE lt_prcd INTO ls_prcd WITH KEY kschl = 'ZVAT'
*       belnr = <fs_item>-belnr
*       po_doc_item = <fs_item>-po_doc_item.
*     IF sy-subrc = 0.
*       ls_invoice_item_tab-vat = ls_prcd-kwert.
*     ENDIF.

*
*     READ TABLE lt_prcd INTO ls_prcd WITH KEY kschl = 'PBXX'
*       belnr = <fs_item>-belnr
*       po_doc_item = <fs_item>-po_doc_item.
*     IF sy-subrc = 0.
*       <fs_item>-net_price = ls_prcd-kwert.
*     ENDIF.
*<< ML-10059 / 06.09.25 - mk

<fs_item>-total_price = <fs_item>-net_price + ls_invoice_item_tab-vat +
ls_invoice_item_tab-excise + ls_invoice_item_tab-discount.

lv_total_price = <fs_item>-total_price + lv_total_price.
lv_total_tax = ls_invoice_item_tab-vat + lv_total_tax.
"ebruc MMLD-801 comment 140425 added

*
ELSE.

IF <fs_item>-mwszkz EQ 'V0' OR <fs_item>-mwszkz EQ 'E0'.
  ls_invoice_item_tab-vat = 0.
ELSEIF <fs_item>-mwszkz EQ 'V1' OR <fs_item>-mwszkz EQ 'E1'.
  ls_invoice_item_tab-vat = <fs_item>-net_price * ( 18 / 100 ) .
ELSEIF <fs_item>-mwszkz EQ 'V2' OR <fs_item>-mwszkz EQ 'E2'.
  ls_invoice_item_tab-vat = <fs_item>-net_price * ( 20 / 100 ) .
ELSEIF <fs_item>-mwszkz EQ 'V3' OR <fs_item>-mwszkz EQ 'E3'.
  ls_invoice_item_tab-vat = <fs_item>-net_price * ( 10 / 100 ) .
ELSE.
  ls_invoice_item_tab-vat = ls_invoice_item_tab-vat * 0.
ENDIF.

<fs_item>-total_price = <fs_item>-net_price + ls_invoice_item_tab-vat.

*
ENDIF.

```

```

MOVE-CORRESPONDING <fs_item> TO ls_invoice_item_tab.

APPEND ls_invoice_item_tab TO lt_invoice_item_tab.
CLEAR ls_invoice_item_tab.

ENDLOOP.

"ebruc 140425 MMLD-801 added
READ TABLE lt_totaldsnt INTO DATA(ls_totaldsnt)
WITH KEY belnr = ls_invoice_header-invoice_no
      bukrs = ls_invoice_header-bukrs
BINARY SEARCH.
IF sy-subrc = 0.
  ls_invoice-invoice_header-total_discount = ls_totaldsnt-kwert.
ENDIF.
"ebruc 140425 MMLD-801 added
READ TABLE supplier_infos ASSIGNING FIELD-SYMBOL(<fsxs>) WITH KEY invoice_no = ls_invoice-invoice_header-
invoice_no
  BINARY SEARCH.

IF sy-subrc IS INITIAL.
  ls_invoice-invoice_header-fiscalinvoiceno = <fsxs>-bktxt.
  ls_invoice-invoice_header-supplier_no = <fsxs>-lifnr.
  ls_invoice-invoice_header-customer_fiscal_code = <fsxs>-stcd1.
  ls_invoice-invoice_header-supplier_name = <fsxs>-name1.
ENDIF.

SELECT SINGLE werks FROM ekpo INTO @DATA(lv_werks1)
  WHERE ebeln EQ @ls_invoice_header-purchasing_document.
DATA(lv_kunnr) = |{ lv_werks1 ALPHA = IN WIDTH = 10 }|.

SELECT SINGLE altn FROM knbl INTO @DATA(lv_altn)
  WHERE kunnr EQ @lv_kunnr.
DATA : lv_stcd1 TYPE knal-stcd1,
      lv_name1 TYPE knal-name1.
SELECT SINGLE stcd1 name1
  FROM knal
  INTO ( lv_stcd1, lv_name1 )
  WHERE kunnr EQ lv_kunnr.

IF sy-subrc EQ 0.
  ls_invoice-invoice_header-supplier_no = lv_altn.
  ls_invoice-invoice_header-customer_fiscal_code = lv_stcd1.
  ls_invoice-invoice_header-supplier_name = lv_name1.
ENDIF.

"ebruc MMLD-801 comment 140425 added
IF ls_invoice_header-bukrs = 'MD00'.

*   ls_invoice_header-total_price = lv_total_price. "ML-10059 / 06.09.25 - mk
*   ls_invoice_header-total_tax = lv_total_tax. "ML-10059 / 06.09.25 - mk

  DATA(lv_suppno) = lv_altn.
  DATA(lv_fiscal) = lv_stcd1.
  DATA(lv_cusnam) = lv_name1.

  ls_invoice-invoice_header-supplier_no = ls_invoice_header-dealer_distr_no.
  ls_invoice-invoice_header-supplier_name = ls_invoice_header-customer_name.

  ls_invoice_header-dealer_distr_no = lv_suppno.
  ls_invoice_header-customer_name = lv_cusnam.

ENDIF.

"ebruc MMLD-801 comment 140425 added

IF ls_invoice_header-bukrs EQ 'MD00' "Added MMC-MO/13.05.2025/MMLD-801
AND ( ls_invoice_header-ivtyp EQ '5' ).
*     ls_invoice_header-purchase_order_type EQ 'Z002'
*     OR ls_invoice_header-purchase_order_type EQ 'Z006'
*     OR ls_invoice_header-purchase_order_type EQ 'Z010'
*     OR ls_invoice_header-purchase_order_type EQ 'Z011'
*     OR ls_invoice_header-purchase_order_type EQ 'Z012'
*     OR ls_invoice_header-purchase_order_type EQ 'Z013'

  ls_invoice_header-cancellation_info = abap_true.

ELSE.
  ls_invoice_header-cancellation_info = abap_false.
ENDIF.

"Handenin talebi ile geri alidni.

```

```

*      ZAEIN_WS_MM_INVOICE_ST4

*INVOICE_HEADER  Types ZAEIN_WS_MM_INVOICE_ST1
*INVOICE_ITEMS   Types ZAEIN_WS_MM_INVOICE_TT3
*RETURN_GIBS    Types ZAEIN_WS_MM_INVOICE_TT5

*ZAEIN_WS_MM_INVOICE_ST1
*ZAEIN_WS_MM_INVOICE_TT3
*ZAEIN_WS_MM_INVOICE_TT5

*      IF ls_invoice_header-purchasing_document IS NOT INITIAL
*          AND  ( ls_invoice_header-purchase_order_type EQ 'Z002'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z005'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z006'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z010'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z011'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z012'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z013' ) .
*
*
*      SELECT FROM zaemm_t018
*      FIELDS gib_number
*      WHERE ret_ebeln = @ls_invoice_header-purchasing_document
*      INTO TABLE @DATA(lt_gibs).
*      IF sy-subrc = 0 .
*          MOVE-CORRESPONDING lt_gibs[]           TO ls_invoice-return_gibs[].
*      ENDIF.
*
*
*
*      ENDIF.

"Handenin talebi ile geri alındı.
MOVE-CORRESPONDING ls_invoice_header    TO ls_invoice-invoice_header.
MOVE-CORRESPONDING lt_invoice_item_tab[] TO ls_invoice-invoice_items[].

APPEND ls_invoice TO et_invoice.
CLEAR: ls_invoice-invoice_header,
       ls_invoice-invoice_items[],
       ls_invoice-return_gibs[],
       lt_gibs,
       ls_invoice_header,
       lt_invoice_item_tab[].

ENDLOOP.

ENDIF.

ENDFUNCTION.
```

**Versions of Object ZAEIN\_WS\_MM\_INVOICE of Type Function Module**

Retrieve  
 Fetch Remote Versions  
 Search  
 Documentation

Project	Date	Time	Author	Note	CI	TCI
	26.09.2025	17:20:14	D_SKARACA			
	01.10.2025	09:25:52	D_SKARACA			
	26.09.2025	17:23:12	D_SKARACA			
	26.09.2025	17:07:32	D_SKARACA			
	26.09.2025	17:00:02	D_SKARACA			
	25.09.2025	13:09:06	D_SKARACA			
	25.09.2025	11:20:45	D_SKARACA			
	25.09.2025	10:50:21	D_SKARACA			
	25.09.2025	09:49:37	D_SKARACA			
	17.09.2025	17:29:16	D_SKARACA			
	17.09.2025	17:25:17	D_SKARACA			
	17.09.2025	17:10:52	D_SKARACA			
	07.09.2025	21:14:26	D_MKOCABAS			
	07.09.2025	13:54:02	D_MKOCABAS			
	07.09.2025	11:55:09	D_GARDIC			
	06.09.2025	23:06:38	D_MKOCABAS			
	06.09.2025	22:58:29	D_MKOCABAS			
	06.09.2025	22:39:51	D_MKOCABAS			
	06.09.2025	22:24:10	D_MKOCABAS			
	06.09.2025	21:49:49	D_MKOCABAS			
	06.09.2025	21:38:40	D_MKOCABAS			
	06.09.2025	21:22:38	D_MKOCABAS			
	03.09.2025	16:32:56	D_GARDIC			
	03.09.2025	16:17:00	D_GARDIC			

Use toolbar Search button to search for changes within versions

# Benimki

7 Ekim 2025 Salı 19:03

```
FUNCTION zaein_ws_mm_invoice.  
*-----  
*** Local Interface:  
** IMPORTING  
**   VALUE(IV_CREATE_START_DATE) TYPE ERDAT OPTIONAL  
**   VALUE(IV_CREATE_END_DATE) TYPE ERDAT OPTIONAL  
**   VALUE(IV_CREATE_START_TIME) TYPE STRING OPTIONAL  
**   VALUE(IV_CREATE_END_TIME) TYPE STRING OPTIONAL  
**   VALUE(IV DEALER_NO) TYPE STRING OPTIONAL  
**   VALUE(IV_FLAG) TYPE STRING OPTIONAL  
**   VALUE(IV_SYSTEM) TYPE ZAEIN_DE002 OPTIONAL  
** EXPORTING  
**   VALUE(ET_INVOICE) TYPE ZAEIN_WS_MM_INVOICE_TT4  
*-----  
  
TYPES tr_create_date TYPE RANGE OF budat.  
DATA lr_create_date TYPE tr_create_date.  
DATA ls_create_date LIKE LINE OF lr_create_date.  
TYPES tr_create_time TYPE RANGE OF cputm.  
DATA lr_create_time TYPE tr_create_time.  
DATA ls_create_time LIKE LINE OF lr_create_time.  
DATA lv_start_date TYPE datum.  
DATA lv_start_time TYPE uzeit.  
DATA lv_werks TYPE werks_d.  
TYPES tr_dealers TYPE RANGE OF werks_d.  
DATA lr_dealers TYPE tr_dealers.  
DATA lr_dealers_hdr TYPE tr_dealers.  
DATA ls_dealer LIKE LINE OF lr_dealers.  
DATA ls_invoice TYPE zaein_ws_mm_invoice_st4.  
DATA lt_invoice_item_tab TYPE zaein_ws_mm_invoice_tt3.  
DATA ls_invoice_item_tab TYPE zaein_ws_mm_invoice_st3.  
TYPES tr_belnr TYPE RANGE OF belnr_d.  
DATA lt_belnr TYPE tr_belnr.  
DATA ls_belnr LIKE LINE OF lt_belnr.  
DATA lr_dealers_cyr TYPE RANGE OF werks_d.  
  
* DATA : lt_gibs TYPE STANDARD TABLE OF zaein_ws_mm_invoice_tt5.  
  
SELECT * FROM zaein_t001 INTO TABLE @DATA(lt_active_dealers) WHERE systemid = @iv_system.  
  
IF lt_active_dealers IS NOT INITIAL.  
  
  SPLIT iv_dealer_no AT '-' INTO TABLE DATA(lt_dealers).  
  
  IF lt_dealers IS NOT INITIAL.  
    LOOP AT lt_dealers ASSIGNING FIELD-SYMBOL(<fs_dealer>).  
      CALL FUNCTION 'CONVERSION_EXIT_ALPHA_OUTPUT'  
        EXPORTING  
          input = <fs_dealer>  
        IMPORTING  
          output = <fs_dealer>.  
  
      READ TABLE lt_active_dealers TRANSPORTING NO FIELDS WITH KEY dealercode = <fs_dealer>.  
      IF sy-subrc EQ 0.  
  
        ls_dealer-low = <fs_dealer>.  
        ls_dealer-option = 'EQ'.  
        ls_dealer-sign = 'I'.  
        APPEND ls_dealer TO lr_dealers.  
        CLEAR : ls_dealer.  
      ENDIF.  
    ENDLOOP.  
  ELSE.  
    LOOP AT lt_active_dealers INTO DATA(ls_active_dealers).  
      ls_dealer-low = ls_active_dealers-dealercode.  
      ls_dealer-option = 'EQ'.  
      ls_dealer-sign = 'I'.  
      APPEND ls_dealer TO lr_dealers.  
      CLEAR : ls_dealer.  
    ENDLOOP.  
  ENDIF.  
  
*{ US ML-2898  
  "DEALER RANGE BOŞ KALIRSA TÜM KAYITLARI DÖNÜYOR.  
  "DÖNMEMELİ
```

```

IF lr_dealers[] IS INITIAL.
  RETURN.
ENDIF.

lr_dealers_hdr[] = lr_dealers[].
SELECT DISTINCT
  vwerk,
  vkorg
FROM knvv
WHERE vwerk IN @lr_dealers
  AND loevn EQ ''
INTO TABLE @DATA(lt_vkorg).
IF sy-subrc = 0.
  LOOP AT lt_vkorg INTO DATA(ls_vkorg).
    IF /ddms/cus_actions=>ctrl_is_active( i_ctrnid = '00018' i_vkorg = ls_vkorg-vkorg ) EQ abap_true.
      APPEND INITIAL LINE TO lr_dealers_cyr ASSIGNING FIELD-SYMBOL(<ls_dealers_cyr>).
      <ls_dealers_cyr>-low = ls_vkorg-vwerk.
      <ls_dealers_cyr>-option = 'EQ'.
      <ls_dealers_cyr>-sign = 'I'.
      DELETE lr_dealers_hdr WHERE low = ls_vkorg-vwerk.
    ENDIF.
  ENDLOOP.
ENDIF.
*) US ML-2898

lv_start_date = iv_create_start_date.
lv_start_time = iv_create_start_time.

IF iv_create_start_date IS NOT INITIAL OR iv_create_end_date IS NOT INITIAL.
  IF iv_create_end_date IS INITIAL.
    ls_create_date-option = 'GE'.
  ELSE.
    ls_create_date-option = 'BT'.
  ENDIF.

  ls_create_date-sign = 'I'.
  ls_create_date-low = iv_create_start_date.
  ls_create_date-high = iv_create_end_date.
  APPEND ls_create_date TO lr_create_date.
  CLEAR: ls_create_date.
ENDIF.

IF iv_create_start_time IS NOT INITIAL OR iv_create_end_time IS NOT INITIAL.
  IF iv_create_end_time IS INITIAL.
    ls_create_time-option = 'GE'.
  ELSE.
    ls_create_time-option = 'BT'.
  ENDIF.

  ls_create_time-sign = 'I'.
  ls_create_time-low = iv_create_start_time.
  ls_create_time-high = iv_create_end_time.
  APPEND ls_create_time TO lr_create_time.
  CLEAR: ls_create_time.
ENDIF.

IF lr_dealers_hdr[] IS NOT INITIAL.

"--> ML-9931 - seray -gardic
SELECT SINGLE werks, vkorg FROM t001w INTO @DATA(ls_t001w) WHERE werks IN @lr_dealers_hdr.

IF ls_t001w-vkorg EQ '2210'. "Moldova

  SELECT DISTINCT
    rb~belnr AS invoice_no,
    k1~altnr AS partner_no,
    rb~lifnr AS vendor_no,
    ek~bsart AS purchase_order_type ,
    ek~ihrez AS order_no,
    lpad( rs~werks , 10 , '0' ) AS dealer_distr_no,
    ' ' AS purchase_order_type_text,
    bt~name_org1 AS customer_name,
    rb~bldat AS billing_date,
    rb~vgart AS invoice_type,
    rb~usnam AS created_by,
    rb~budat AS created_on,
    rb~cputm AS created_time,
    CASE WHEN rb~stblg IS INITIAL THEN ' '
      ELSE 'X' END AS cancellation_info,
    s~gibnumber AS e_document_no,

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```

        CASE WHEN ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z006' THEN CAST( s2
~gibnumber AS CHAR( 23 ) )
            ELSE z46~ta_id END AS waybill_no,
            rb~waers AS currency,
            rb~rmwrr AS total_price,
            rb~wmwst1 AS total_tax,
            CAST( '           ' AS CHAR ) AS platenumber,
            CAST( '           ' AS CHAR ) AS driver_name,
            rb~gjahr,
            log~belnr,
            ek~ebeln AS purchasing_document,
            ep~bsgru,
            ek~bukrs,
            rb~ivtyp

        FROM rbkp AS rb

        INNER JOIN rseg AS rs ON rb~belnr = rs~belnr

        INNER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
                            AND ep~ebelp = rs~ebelp
                            AND ep~elikz = 'X'

        LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln

        LEFT OUTER JOIN /slv/tr_ei_t100 AS s ON rb~belnr = s~awref

        LEFT OUTER JOIN knbl AS k1 ON k1~kunnnr = rb~lifnr
                            AND k1~loevm EQ ''
        LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr

        LEFT OUTER JOIN matdoc AS mt ON mt~ebeln = ep~ebeln
                            AND mt~ebelp = ep~ebelp
                            AND mt~cancelled IS INITIAL
        LEFT OUTER JOIN /slv/tr_ed_t100 AS s2 ON mt~mblnr = s2~mblnr
                            AND mt~mjahr = s2~mjahr

        LEFT OUTER JOIN zaesd_t046_h AS z46 ON ek~ihrez = lpad( z46~vbeln, 10, '0' )

        LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
                            AND log~belnr = rb~belnr
                            AND log~gjahr = rb~gjahr

        WHERE ( rb~budat GT @lv_start_date OR ( rb~budat EQ @lv_start_date AND rb~cputm GE @lv
_start_time ) )
            AND ( ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z005' OR ek~bsart EQ 'Z006' OR ek~bsart =
'Z010' OR ek~bsart = 'Z011' OR ek~bsart = 'Z012' OR ek~bsart = 'Z013' )
            AND rs~werks IN @lr_dealers_hdr
            INTO TABLE @DATA(lt_invoice_header).

"<!-- ML-9931 - seray -gardic
ELSE.

</pre>

```

```

SELECT DISTINCT
    rb~belnr AS invoice_no,
    k1~altnr AS partner_no,
    rb~lifnr AS vendor_no,
    ek~bsart AS purchase_order_type ,
    ek~ihrez AS order_no,
    lpad( rs~werks , 10 , '0' ) AS dealer_distr_no,
    ' ' AS purchase_order_type_text,
    bt~name_org1 AS customer_name,
    rb~bldat AS billing_date,
    rb~vgart AS invoice_type,
    rb~usnam AS created_by,
    rb~budat AS created_on,
    rb~cputm AS created_time,
    CASE WHEN rb~stblg IS INITIAL THEN ' '
        ELSE 'X' END AS cancellation_info,
    s~gibnumber AS e_document_no,
    CASE WHEN ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z006' THEN concat( 'ISO', s2~object_key )
        CASE WHEN ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z006' THEN CAST( s2~gibnumber AS CHAR( 23 ) )
        ELSE z46~ta_id END AS waybill_no,
    rb~xblnr AS waybill_no,
    rb~waers AS currency,
    rb~rmwrr AS total_price,
    rb~wmwst1 AS total_tax,
    CAST( '           ' AS CHAR ) AS platenumber,
    
```

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CAST( '                               ' AS CHAR ) AS driver_name,
rb~gjahr,
log~belnr,
ek~ebeln AS purchasing_document,
ep~bsgru,
ek~bukrs,
rb~ivtyp "Added MC/MO-15.05.2025

FROM rbkp AS rb

*{ US ML-5262
*      LEFT OUTER JOIN rseg AS rs ON rb~belnr = rs~belnr
*
*      LEFT OUTER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
*                                  AND ep~ebelp = rs~ebelp
*      INNER JOIN rseg AS rs ON rb~belnr = rs~belnr
*
*          INNER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
*                                  AND ep~ebelp = rs~ebelp
*                                  AND ep~elikz = 'X'
*} US ML-5262

LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln

LEFT OUTER JOIN /slv/tr_ei_t100 AS s ON rb~belnr = s~awref

LEFT OUTER JOIN knb1 AS k1 ON k1~kunrn = rb~lifnr
                           AND k1~loevm EQ ''
LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr

LEFT OUTER JOIN matdoc AS mt ON mt~ebeln = rs~ebeln
                           AND mt~ebeip = rs~ebelp
                           AND ( ek~bsart = 'Z002' OR ek~bsart = 'Z006' )
                           AND mt~cancelled IS INITIAL
LEFT OUTER JOIN matdoc AS mt ON mt~ebeln = ep~ebeln
                           AND mt~ebelp = ep~ebelp
                           AND mt~cancelled IS INITIAL
LEFT OUTER JOIN /slv/tr_ed_t100 AS s2 ON mt~mblnr = s2~mblnr
                           AND mt~mjahr = s2~mjahr

LEFT OUTER JOIN zaesd_t046_h AS z46 ON ek~ihrez = lpad( z46~vbeln, 10, '0' )

LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
                           AND log~belnr = rb~belnr
                           AND log~gjahr = rb~gjahr

      WHERE ( concat( concat( substring( s~date_created, 1, 4 ), substring( s~date_created, 6, 2 ) )
, substring( s~date_created, 9, 2 ) ) GT @lv_start_date
      OR ( concat( concat( substring( s~date_created, 1, 4 ), substring( s~date_created, 6, 2 ) )
, substring( s~date_created, 9, 2 ) ) EQ @lv_start_date
      AND concat( concat( substring( s~date_created, 12, 2 ), substring( s~date_created, 15, 2 ) )
, substring( s~date_created, 19, 2 ) ) GE @lv_start_time ) )
      AND ( ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z005' OR ek~bsart EQ 'Z006' OR ek~bsart = 'Z010' OR
ek~bsart = 'Z011' OR ek~bsart = 'Z012' OR ek~bsart = 'Z013' )
      AND rs~werks IN @lr_dealers_hdr
      INTO TABLE @lt_invoice_header.

ENDIF.
ENDIF.
IF lr_dealers_cyr[] IS NOT INITIAL.

SELECT DISTINCT
rb~belnr AS invoice_no,
kl~altnr AS partner_no,
rb~lifnr AS vendor_no,
ek~bsart AS purchase_order_type ,
ek~ihrez AS order_no,
lpad( rs~werks , 10 , '0' ) AS dealer_distr_no,
'' AS purchase_order_type_text,
bt~name_org1 AS customer_name,
rb~bldat AS billing_date,
rb~vgart AS invoice_type,
rb~usnam AS created_by,
rb~budat AS created_on,
rb~cputm AS created_time,
CASE WHEN rb~stblg IS INITIAL THEN ''
      ELSE 'X' END AS cancellation_info,

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```

*      rb~xblnr AS e_document_no,
*      CASE WHEN ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z006' THEN concat( 'ISO', s2~object_key )
*             z46~ta_id AS waybill_no,
rb~waers AS currency,
rb~rmwrr AS total_price,
rb~wmwstl AS total_tax,
CAST( '          ' AS CHAR ) AS platenumber,
CAST( '          ' AS CHAR ) AS driver_name,
rb~gjahr,
log~belnr,
ek~ebeln AS purchasing_document,
ep~bsgru,
rb~bukrs,
rb~ivtyp "Added MC/MO-15.05.2025

      FROM rbkp AS rb
      INNER JOIN rseg AS rs ON rb~belnr = rs~belnr

      INNER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
                           AND ep~ebelp = rs~ebelp
                           AND ep~elikz = 'X'
      LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln
      LEFT OUTER JOIN knbl AS k1 ON k1~kunnnr = rb~lifnr
                           AND k1~loevn EQ ''
      LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr
      LEFT OUTER JOIN matdoc AS mt ON mt~ebeln = ep~ebeln
                           AND mt~ebelp = ep~ebelp
                           AND mt~cancelled IS INITIAL
      LEFT OUTER JOIN /slv/tr_ed_t100 AS s2 ON mt~mblnr = s2~mblnr
                           AND mt~mjahr = s2~mjahr

      LEFT OUTER JOIN zaesd_t046_h AS z46 ON ek~ihrez = lpad( z46~vbeln, 10, '0' )

      LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
                           AND log~belnr = rb~belnr
                           AND log~gjahr = rb~gjahr

      WHERE ( ek~bsart EQ 'Z002' OR ek~bsart EQ 'Z005' OR ek~bsart EQ 'Z006' OR ek~bsart = 'Z010' OR ek~bsart = 'Z011' OR ek~bsart = 'Z012' OR ek~bsart = 'Z013' )
            AND rs~werks IN @lr_dealers_cyr
            AND ep~creationtime GE @lv_start_time   "" ???
            AND ep~creationdate GE @lv_start_date
      APPENDING CORRESPONDING FIELDS OF TABLE @lt_invoice_header.

ENDIF.

*revize öncesi belgenin e-irsaliye numarasının bulunması
SELECT "data~ebeln,
       t055~ebeln_n,
       t055~ebeln_o,
       t100~mblnr,
       t100~mjahr,
       t100~gibnumber
FROM @lt_invoice_header AS data

INNER JOIN zaesd_t055 AS t055 ON t055~ebeln_n = data~purchasing_document

LEFT OUTER JOIN ekbe ON ekbe~ebeln = t055~ebeln_o
                           AND ekbe~vgabe = '1'
                           AND ekbe~bwart = '161'

LEFT OUTER JOIN /slv/tr_ed_t100 AS t100 ON t100~mblnr = ekbe~belnr
                           AND t100~mjahr = ekbe~gjahr

WHERE data~waybill_no IS INITIAL
      AND data~purchase_order_type IN ( 'Z002', 'Z006', 'Z010', 'Z011', 'Z012', 'Z013' )
      INTO TABLE @DATA(lt_t055).

IF sy-subrc = 0.
  LOOP AT lt_t055 INTO DATA(ls_t055).

    IF ls_t055~ebeln_o IS INITIAL. "sanal iadelerde kayitlarda eski sas bos olur ve ırsaliye olmaz
    "----->MCELIK ML-1888
    LOOP AT lt_invoice_header ASSIGNING FIELD-
SYMBOL(<ls_invoice_header>) WHERE purchasing_document = ls_t055~ebeln_n.
*      READ TABLE lt_invoice_header ASSIGNING FIELD-
SYMBOL(<ls_invoice_header>) WITH KEY purchasing_document = ls_t055~ebeln_n.
      <ls_invoice_header>-waybill_no = 'SANALIADE'.

    ENDLOOP.
  "----->MCELIK ML-1888

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ELSE.
"----->MCELIK ML-1888
LOOP AT lt_invoice_header ASSIGNING <ls_invoice_header> WHERE purchasing_document = ls_t055-
ebeln_n.
*      READ TABLE lt_invoice_header ASSIGNING FIELD-
SYMBOL(<ls_invoice_header>) WITH KEY purchasing_document = ls_t055-ebeln_n.
    <ls_invoice_header>-waybill_no = ls_t055-gibnumber.
ENDLOOP.
"<-----MCELIK ML-1888
ENDIF.
ENDLOOP.
ENDIF.

*revize öncesi belgenin e-irsaliye numarasının bulunması

""-->MCELIK ML-1667
LOOP AT lt_invoice_header ASSIGNING FIELD-SYMBOL(<fs_invoice_header>).

IF <fs_invoice_header>-bsgru = '004' OR
    <fs_invoice_header>-bsgru = '005'.

    <fs_invoice_header>-waybill_no = 'NAKLIYEFARK'.

*    ELSEIF <fs_invoice_header>-bsgru = '037'.
*
*        <fs_invoice_header>-waybill_no = 'KEYACCOUNTFARK'.

ENDIF.
ENDLOOP.
""<--MCELIK ML-1667

""-->MCELIK ML-2074
*    DELETE lt_invoice_header WHERE waybill_no IS INITIAL.

LOOP AT lt_invoice_header ASSIGNING FIELD-SYMBOL(<fs_invheader>) WHERE waybill_no IS INITIAL.
    <fs_invheader>-waybill_no = 'DIGERIADE'.
ENDLOOP.
""-->MCELIK ML-2074

IF lt_invoice_header IS NOT INITIAL.
    SELECT invoice_no AS invoice_no , COUNT( invoice_no ) AS count FROM @lt_invoice_header AS lt
        GROUP BY invoice_no
        HAVING COUNT( invoice_no ) > 1
        INTO TABLE @DATA(lt_deletion_tab).

    LOOP AT lt_deletion_tab ASSIGNING FIELD-SYMBOL(<fs_deletion>).
        DELETE lt_invoice_header WHERE invoice_no EQ <fs_deletion>-invoice_no
            AND waybill_no IS INITIAL.
    ENDLOOP.
ENDIF.

SELECT DISTINCT
    rb~belnr AS invoice_no,
    k1~altnr AS partner_no,
    rb~lifnr AS vendor_no,
    ek~bsart AS purchase_order_type ,
    ek~ihrez AS order_no,
    lpad( rs~werks, 10, '0' ) AS dealer_distr_no,
    ' ' AS purchase_order_type_text,
    bt~name_org1 AS customer_name,
    rb~bldat AS billing_date,
    rb~vgart AS invoice_type,
    rb~usnam AS created_by,
    rb~budat AS created_on,
    rb~cputm AS created_time,
    CASE WHEN rb~stblg IS INITIAL THEN ''
        ELSE 'X' END AS cancellation_info,
    rb~xblnr AS e_document_no,
    rb~xblnr AS waybill_no,
    substring( lp~zzwaybill, 1, 23 ) AS waybill_no,
    rb~waers AS currency,
    rb~rmwwr AS total_price,
    rb~wmwst1 AS total_tax,
    lp~zzplate AS platenumber,
    lp~zzdriver AS driver_name,

    rb~gjahr,
    log~belnr,

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ek~ebeln AS purchasing_document,
ep~bsgru,
rb~bukrs,
rb~ivtyp "Added MC/MO-15.05.2025

FROM rbkp AS rb

*{ US ML-5262
*   LEFT OUTER JOIN rseg AS rs ON rb~belnr = rs~belnr
*
*   """-->MCELIK ML-1667
*   LEFT OUTER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
*           AND ep~ebelp = rs~ebelp
*   """<--MCELIK ML-1667
*   INNER JOIN rseg AS rs ON rb~belnr = rs~belnr
*
*   INNER JOIN ekpo AS ep ON ep~ebeln = rs~ebeln
*           AND ep~ebelp = rs~ebelp
*           AND ep~elikz = 'X'
*} US ML-5262

LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln

LEFT OUTER JOIN knb1 AS k1 ON k1~kunrn = rb~lifnr
*           AND k1~loevm = ''
LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr

LEFT OUTER JOIN ekes AS es ON es~ebeln = rs~ebeln
*           AND es~ebelp = rs~ebelp

LEFT OUTER JOIN likp AS lp ON lp~vbeln = es~vbeln
*           AND lp~wbstk = 'C'

LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
*           AND log~belnr = rb~belnr
*           AND log~gjahr = rb~gjahr

WHERE ( rb~budat GT @lv_start_date OR ( rb~budat EQ @lv_start_date AND rb~cputm GE @lv_start_time ) )
*       AND ( ek~bsart = 'Z001' OR ek~bsart = 'Z003' OR ek~bsart = 'Z014' OR ek~bsart = 'Z015' OR ek~bsart =
'Z016' OR ek~bsart = 'Z017' )
*       AND rs~werks IN @lr_dealers

INTO TABLE @DATA(lt_invoice_header_2).

LOOP AT lt_invoice_header_2 ASSIGNING FIELD-SYMBOL(<fs_invoice_header_2>) WHERE waybill_no IS INITIAL.
  IF <fs_invoice_header_2>-bsgru = '037'.
    <fs_invoice_header_2>-waybill_no = 'KEYACCOUNTFARK'.
  ENDIF.

"ML-5481 SENOLK 18.09.24
IF <fs_invoice_header_2>-waybill_no IS INITIAL AND
<fs_invoice_header_2>-e_document_no IS NOT INITIAL.

  DATA: lv_temp_vbeln TYPE vbeln_va.

  lv_temp_vbeln = <fs_invoice_header_2>-order_no.

  SELECT SINGLE * FROM zaesd_t107 WHERE
vbeln = @lv_temp_vbeln AND
ebeln = @<fs_invoice_header_2>-purchasing_document
INTO @DATA(ls_t107).
  IF sy-subrc = 0.
    <fs_invoice_header_2>-waybill_no =
    <fs_invoice_header_2>-e_document_no.
  ENDIF.

  ENDIF.

"ML-5481 SENOLK 18.09.24

ENDLOOP.

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"MMLD-801 Moldova sirket kodu eklendi
DELETE lt_invoice_header_2 WHERE waybill_no IS INITIAL AND bukrs NE 'MD00'.

IF lt_invoice_header_2 IS NOT INITIAL.
  SELECT
    invoice_no AS invoice_no,
    COUNT( invoice_no ) AS count
    FROM @lt_invoice_header_2 AS lt GROUP BY invoice_no
    HAVING COUNT( invoice_no ) > 1
    INTO TABLE @DATA(lt_deletion_tab_2).

  LOOP AT lt_deletion_tab_2 ASSIGNING FIELD-SYMBOL(<fs_deletion2>).

    DELETE lt_invoice_header_2 WHERE invoice_no EQ <fs_deletion2>-invoice_no
      AND waybill_no IS INITIAL.
  ENDLOOP.

"beg:Adines Invoice Fiscal Number-OELMACI/SCIFTCI-07.10.2025-yoruma alindi

***      "+-----+-----> Getting Supplier Infos <-----+-----+ {#YHSENER}® [11.04.2025 17:46:14]
***      SELECT DISTINCT
***          hdr~invoice_no,
***          rbk~bktxt,
***          lfa~lifnr, lfa~stcd1, lfa~name1
***          FROM @lt_invoice_header_2 AS hdr
***          INNER JOIN rbkp AS rbk ON rbk~belnr EQ hdr~invoice_no
***          LEFT OUTER JOIN lfa1 AS lfa ON lfa~lifnr EQ rbk~lifnr
***          WHERE rbk~bukrs EQ 'MD00'
***          ORDER BY rbk~invoice_no "For BS
***          INTO TABLE @DATA(supplier_infos).

"end:Adines Invoice Fiscal Number-OELMACI/SCIFTCI-07.10.2025-yoruma alindi

ENDIF.

SELECT DISTINCT
  rb~belnr AS invoice_no,
  k1~altnr AS partner_no,
  rb~lifnr AS vendor_no,
  ek~bsart AS purchase_order_type ,
  ek~ihrez AS order_no,
  lpad( rs~werks, 10, '0' ) AS dealer_distr_no,
  ' AS purchase_order_type_text,
  bt~name_org1 AS customer_name,
  rb~bldat AS billing_date,
  rb~vgart AS invoice_type,
  rb~usnam AS created_by,
  rb~budat AS created_on,
  rb~cputm AS created_time,
CASE WHEN rb~stblg IS INITIAL THEN ''
  ELSE 'X' END AS cancellation_info,
  substring( z47~invoiceid,1,16 ) AS e_document_no,
  substring( lp~zzwaybill , 1 , 23 ) AS waybill_no,
  CAST( 'KEYACCOUNT' AS CHAR ) AS waybill_no,
  rb~waers AS currency,
  rb~rmwwr AS total_price,
  rb~wmwst1 AS total_tax,
  CAST( ' ' AS CHAR ) AS platenumber,
  CAST( ' ' AS CHAR ) AS driver_name,
  rb~gjahr,
  log~belnr,
  ek~ebeln AS purchasing_document,
  rb~bukrs,
  rb~ivtyp "Added MC/MO-15.05.2025

FROM rbkp AS rb

LEFT OUTER JOIN rseg AS rs ON rb~belnr = rs~belnr

LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln

LEFT OUTER JOIN zaesd_t047_h AS z47 ON ek~ihrez = lpad( z47~vbeln, 10, '0' )

LEFT OUTER JOIN knb1 AS k1 ON k1~kunnnr = rb~lifnr
  AND k1~loevm = ''
LEFT OUTER JOIN but000 AS bt ON bt~partner = rb~lifnr

LEFT OUTER JOIN ekes AS es ON es~ebeln = rs~ebeln

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        AND es~ebelp = rs~ebelp

LEFT OUTER JOIN likp AS lp ON lp~vbeln = es~vbeln

LEFT OUTER JOIN zaein_t006 AS log ON log~sysid = @iv_system
        AND log~belnr = rb~belnr
        AND log~gjahr = rb~gjahr

WHERE ( z47~erdat GT @lv_start_date OR ( z47~erdat = @lv_start_date AND z47~erzet GE @lv_start_time ) )
    AND ( ek~bsart = 'Z004' )
    AND rs~werks IN @lr_dealers

INTO TABLE @DATA(lt_invoice_header_3).

*      DELETE lt_invoice_header_3 WHERE waybill_no IS INITIAL.

APPEND LINES OF lt_invoice_header_2 TO lt_invoice_header.
APPEND LINES OF lt_invoice_header_3 TO lt_invoice_header.

"beg:Adines Invoice Fiscal Number-OELMACI/SCIFTCI-PAKYIL-07.10.2025-eklendi

SELECT DISTINCT
    hdr~invoice_no,
    "beg:Adines Invoice Fiscal Number-OELMACI/SCIFTCI-07.10.2025
**      rbk~bktxt,
    CASE WHEN rbk~bktxt IS NOT INITIAL THEN rbk~bktxt
        WHEN rbk~bktxt IS INITIAL THEN ddms~invoice_no
    ELSE CAST( '' AS CHAR( 25 ) ) END AS bktxt,
    "end:Adines Invoice Fiscal Number-OELMACI/SCIFTCI-07.10.2025
    lfa~lifnr, lfa~stcd1, lfa~name1
    FROM @lt_invoice_header AS hdr
    INNER JOIN rbkp AS rbk ON rbk~belnr EQ hdr~invoice_no
    LEFT OUTER JOIN lfa1 AS lfa ON lfa~lifnr EQ rbk~lifnr
    LEFT OUTER JOIN /ddms/ptp_t013 AS ddms ON ddms~ebeln EQ hdr~purchasing_document "added:Adines Invoice
Fiscal Number-OELMACI/SCIFTCI-07.10.2025
    WHERE hdr~bukrs EQ 'MD00'
    ORDER BY hdr~invoice_no "For BS
    INTO TABLE @DATA(supplier_infos).

"end:Adines Invoice Fiscal Number-OELMACI/SCIFTCI-PAKYIL-07.10.2025-eklendi

IF iv_flag = 'X'.

DELETE lt_invoice_header WHERE belnr IS NOT INITIAL.

*      et_invoice_item = VALUE #( FOR lwa_source IN lt_invoice_header WHERE ( belnr IS INITIAL ) ( CORRESPONDING #( lwa_source ) ) ).

IF iv_system = 'LOGO'.
    DATA lt_t006 TYPE TABLE OF zaein_t006.

    SELECT DISTINCT
        'LOGO' AS sysid,
        data~invoice_no AS belnr,
        data~gjahr

    FROM @lt_invoice_header AS data
    INTO CORRESPONDING FIELDS OF TABLE lt_t006.

    MODIFY zaein_t006 FROM TABLE lt_t006.
ENDIF.

ELSE.

*      et_invoice_item = VALUE #( FOR lwa_source IN lt_invoice_item ( CORRESPONDING #( lwa_source ) ) ) .

ENDIF.

SORT lt_invoice_header BY invoice_no ASCENDING.
DELETE ADJACENT DUPLICATES FROM lt_invoice_header.

LOOP AT lt_invoice_header ASSIGNING FIELD-SYMBOL(<fs_header>).
    IF <fs_header>-purchase_order_type EQ 'Z001'
    OR <fs_header>-purchase_order_type EQ 'Z003'

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OR <fs_header>-purchase_order_type EQ 'Z004'
OR <fs_header>-purchase_order_type EQ 'Z014' "MMLD-801 moldova belge türleri eklendi.
OR <fs_header>-purchase_order_type EQ 'Z015'
OR <fs_header>-purchase_order_type EQ 'Z016'
OR <fs_header>-purchase_order_type EQ 'Z017'.

<fs_header>-purchase_order_type_text = 'Satın Alma Faturası'.

ELSEIF <fs_header>-purchase_order_type EQ 'Z002'
  OR <fs_header>-purchase_order_type EQ 'Z005'
  OR <fs_header>-purchase_order_type EQ 'Z006'
  OR <fs_header>-purchase_order_type EQ 'Z010' "MMLD-801 moldova belge türleri eklendi.
  OR <fs_header>-purchase_order_type EQ 'Z011'
  OR <fs_header>-purchase_order_type EQ 'Z012'
  OR <fs_header>-purchase_order_type EQ 'Z013'.

<fs_header>-purchase_order_type_text = 'Satıcıya İade Faturası'.

ENDIF.

ENDLOOP.

IF lt_invoice_header IS NOT INITIAL.

  SELECT DISTINCT
    rs~belnr,
    rs~mwszkz,
    rs~werks,
    rs~ebelp, "ML-10059 / 06.09.25 - mk
    ek~bsart,
    z47~invoiceid,
    s~gibnumber,
    z47~vbeln,
    ek~ihrez,
    rs~matnr AS material_no,
    mt~maktx AS material_text,
    rs~buzei AS po_doc_item,
    rs~menge AS order_quantity,
    rs~bstme AS po_unit,
    rs~wrbrtr AS net_price,
    " rs~wrbrtr AS vat,
    rs~wrbrtr AS total_price,
    ep~lgort AS stge_loc,
    "ebruc MMLD-801 comment 140425 added
    ek~bukrs
    "ebruc MMLD-801 comment 140425 added

  FROM rseg AS rs

  LEFT OUTER JOIN ekko AS ek ON rs~ebeln = ek~ebeln
  LEFT OUTER JOIN ekpo AS ep ON ep~ebelp = rs~ebelp
    AND ep~ebeln = rs~ebeln
  LEFT OUTER JOIN t001 AS t1 ON t1~bukrs = ek~bukrs " ML-10070 / 07.09.25 - mk
  LEFT OUTER JOIN makt AS mt ON mt~spras = t1~spras " ML-10070 / 07.09.25 - mk / 'T'
    AND mt~matnr = rs~matnr

    "ebruc MMLD-801 comment 140425
    " LEFT OUTER JOIN prcd_elements AS pr ON pr~knumv = ek~knumv
    "                                     AND ( pr~kschl = 'ZISK'
    "                                     AND pr~kposn = lpad( ep~ebelp, 6, '0' )
  "ebruc MMLD-801 comment 140425
  *   LEFT OUTER JOIN zaesd_t047_h AS z47 ON ek~ihrez EQ lpad( z47~vbeln, 10, '0' )

  *   LEFT OUTER JOIN /slv/tr_ei_t100 AS s ON rs~belnr = s~awref

  FOR ALL ENTRIES IN @lt_invoice_header

    WHERE rs~belnr EQ @lt_invoice_header-invoice_no
    INTO TABLE @DATA(lt_items).

  "ebruc MMLD-801 comment 140425 added
  SELECT
    rs~belnr,
    rs~ebelp, "ML-10059 / 06.09.25 - mk
    rs~buzei AS po_doc_item,
    pr~kschl,
    pr~kwert,
    ek~bukrs
  FROM rseg AS rs

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```

INNER JOIN @lt_items AS t ON rs~belnr EQ t~belnr AND
                           rs~buzei EQ t~po_doc_item
INNER JOIN ekko AS ek ON rs~ebeln = ek~ebeln
INNER JOIN prcd_elements AS pr ON pr~knumv = ek~knumv AND
                           ( pr~kschl = 'ZISK' OR pr~kschl = 'ZMEX' OR
                             pr~kschl = 'PBXX' OR pr~kschl = 'ZVAT' )
                           AND pr~kposn = lpad( rs~ebelp, 6, '0' )
INTO TABLE @DATA(lt_prcd).

SELECT t~bukrs,t~belnr,SUM( kwert ) AS kwert
FROM @lt_prcd AS t
WHERE kschl = 'ZISK'
GROUP BY belnr,bukrs
ORDER BY belnr,bukrs
INTO TABLE @DATA(lt_totalscnt).

"ebruc MMLD-801 comment 140425 added

ENDIF.

IF lt_items IS NOT INITIAL.
  SELECT DISTINCT mrm~matnr, umren
    FROM @lt_items AS itm
   INNER JOIN marm AS mrm ON mrm~matnr EQ itm~material_no
                           AND mrm~meinh EQ 'ST'
  ORDER BY mrm~matnr
  INTO TABLE @DATA(uom_coefficient_list).
ENDIF.

DATA : lv_total_price TYPE zaein_ws_mm_invoice_st4-invoice_header-total_price,
      lv_total_tax   TYPE zaein_ws_mm_invoice_st4-invoice_header-total_tax.

LOOP AT lt_invoice_header INTO DATA(ls_invoice_header).

  CLEAR : lv_total_tax,lv_total_price.

  LOOP AT lt_items ASSIGNING FIELD-SYMBOL(<fs_item>) WHERE belnr EQ ls_invoice_header-invoice_no.

    READ TABLE uom_coefficient_list ASSIGNING FIELD-SYMBOL(<fsco>) WITH KEY matnr = <fs_item>-
material_no
      BINARY SEARCH.

    IF sy-subrc IS INITIAL.
      ls_invoice_item_tab-uom_coefficient = <fscoe>-umren.
    ENDIF.

    CALL FUNCTION 'CONVERSION_EXIT_MATN1_OUTPUT'
      EXPORTING
        input = <fs_item>-material_no
      IMPORTING
        output = <fs_item>-material_no.

"ebruc 140425 MMLD-801 added

READ TABLE lt_prcd INTO DATA(ls_prcd) WITH KEY kschl = 'ZISK'
                           belnr = <fs_item>-belnr
                           po_doc_item = <fs_item>-po_doc_item.
IF sy-subrc = 0.
  ls_invoice_item_tab-discount = ls_prcd-kwert.
ENDIF.

READ TABLE lt_prcd INTO ls_prcd WITH KEY kschl = 'ZMEX'
                           belnr = <fs_item>-belnr
                           po_doc_item = <fs_item>-po_doc_item.
IF sy-subrc = 0.
  ls_invoice_item_tab-excise = ls_prcd-kwert.
ENDIF.

*>> ML-10059 / 06.09.25 - mk
*     IF <fs_item>-bukrs = 'MD00'.
*
*     READ TABLE lt_prcd INTO ls_prcd WITH KEY kschl = 'ZVAT'
*                           belnr = <fs_item>-belnr
*                           po_doc_item = <fs_item>-po_doc_item.
*
*     IF sy-subrc = 0.
*       ls_invoice_item_tab-vat = ls_prcd-kwert.
*     ENDIF.

*
*     READ TABLE lt_prcd INTO ls_prcd WITH KEY kschl = 'PBXX'

```

```

*
*                                     belnr = <fs_item>-belnr
*                                     po_doc_item = <fs_item>-po_doc_item.
*
*             IF sy-subrc = 0.
*                 <fs_item>-net_price = ls_prcd-kwert.
*             ENDIF.
* <<< ML-10059 / 06.09.25 - mk
*
<fs_item>-total_price = <fs_item>-net_price + ls_invoice_item_tab-vat +
ls_invoice_item_tab-excise + ls_invoice_item_tab-discount.

lv_total_price = <fs_item>-total_price + lv_total_price.
lv_total_tax   = ls_invoice_item_tab-vat + lv_total_tax.
"ebruc MMLD-801 comment 140425 added

*
ELSE.

IF <fs_item>-mwszk EQ 'V0' OR <fs_item>-mwszk EQ 'E0'.
    ls_invoice_item_tab-vat = 0.
ELSEIF <fs_item>-mwszk EQ 'V1' OR <fs_item>-mwszk EQ 'E1'.
    ls_invoice_item_tab-vat = <fs_item>-net_price * ( 18 / 100 ) .
ELSEIF <fs_item>-mwszk EQ 'V2' OR <fs_item>-mwszk EQ 'E2'.
    ls_invoice_item_tab-vat = <fs_item>-net_price * ( 20 / 100 ) .
ELSEIF <fs_item>-mwszk EQ 'V3' OR <fs_item>-mwszk EQ 'E3'.
    ls_invoice_item_tab-vat = <fs_item>-net_price * ( 10 / 100 ) .
ELSE.
    ls_invoice_item_tab-vat = ls_invoice_item_tab-vat * 0.
ENDIF.

<fs_item>-total_price = <fs_item>-net_price + ls_invoice_item_tab-vat.

*
ENDIF.

MOVE-CORRESPONDING <fs_item> TO ls_invoice_item_tab.

APPEND ls_invoice_item_tab TO lt_invoice_item_tab.
CLEAR ls_invoice_item_tab.

ENDLOOP.

"ebruc 140425 MMLD-801 added
READ TABLE lt_totaldscnt INTO DATA(ls_totaldscnt)
WITH KEY belnr = ls_invoice_header-invoice_no
      bukrs = ls_invoice_header-bukrs
BINARY SEARCH.
IF sy-subrc = 0.
    ls_invoice-invoice_header-total_discount = ls_totaldscnt-kwert.
ENDIF.
"ebruc 140425 MMLD-801 added
READ TABLE supplier_infos ASSIGNING FIELD-SYMBOL(<fsxs>) WITH KEY invoice_no = ls_invoice_header-
invoice_no "ls_invoice-invoice_header-invoice_no""Revize
      BINARY SEARCH.

IF sy-subrc IS INITIAL.
    ls_invoice-invoice_header-fiscalinvoiceno = <fsxs>-bktxt.
    ls_invoice-invoice_header-supplier_no = <fsxs>-lifnr.
    ls_invoice-invoice_header-customer_fiscal_code = <fsxs>-stcd1.
    ls_invoice-invoice_header-supplier_name = <fsxs>-name1.
ENDIF.

SELECT SINGLE werks FROM ekpo INTO @DATA(lv_werks1)
  WHERE ebeln EQ @ls_invoice_header-purchasing_document.
DATA(lv_kunnr) = |{ lv_werks1 ALPHA = IN WIDTH = 10 }|.

SELECT SINGLE altnr FROM knb1 INTO @DATA(lv_altnr)
  WHERE kunnr EQ @lv_kunnr.
DATA : lv_stcd1 TYPE knal-stcd1,
      lv_name1 TYPE knal-name1.
SELECT SINGLE stcd1 name1
  FROM knal
  INTO ( lv_stcd1, lv_name1 )
  WHERE kunnr EQ lv_kunnr.

IF sy-subrc EQ 0.
    ls_invoice-invoice_header-supplier_no = lv_altnr.
    ls_invoice-invoice_header-customer_fiscal_code = lv_stcd1.
    ls_invoice-invoice_header-supplier_name = lv_name1.
ENDIF.

"ebruc MMLD-801 comment 140425 added
IF ls_invoice_header-bukrs = 'MD00'.

```

```

*      ls_invoice_header-total_price = lv_total_price. "ML-10059 / 06.09.25 - mk
*      ls_invoice_header-total_tax   = lv_total_tax. "ML-10059 / 06.09.25 - mk

      DATA(lv_suppno) = lv_altn.
      DATA(lv_fiscal) = lv_stcd1.
      DATA(lv_cusnam) = lv_name1.

      ls_invoice-invoice_header-supplier_no = ls_invoice_header-dealer_distr_no.
      ls_invoice-invoice_header-supplier_name = ls_invoice_header-customer_name.

      ls_invoice_header-dealer_distr_no = lv_suppno.
      ls_invoice_header-customer_name = lv_cusnam.

ENDIF.
"ebruc MMLD-801 comment 140425 added

IF ls_invoice_header-bukrs EQ 'MD00' "Added MMC-MO/13.05.2025/MMLD-801
AND (ls_invoice_header-ivtyp EQ '5').
      ls_invoice_header-purchase_order_type EQ 'Z002'
      OR ls_invoice_header-purchase_order_type EQ 'Z006'
      OR ls_invoice_header-purchase_order_type EQ 'Z010'
      OR ls_invoice_header-purchase_order_type EQ 'Z011'
      OR ls_invoice_header-purchase_order_type EQ 'Z012'
      OR ls_invoice_header-purchase_order_type EQ 'Z013'

      ls_invoice_header-cancellation_info = abap_true.

ELSE.
      ls_invoice_header-cancellation_info = abap_false.
ENDIF.

"Handenin talebi ile geri alidni.

*      ZAEIN_WS_MM_INVOICE_ST4

*INVOICE_HEADER  Types  ZAEIN_WS_MM_INVOICE_ST1
*INVOICE_ITEMS  Types ZAEIN_WS_MM_INVOICE_TT3
*RETURN_GIBS   Types ZAEIN_WS_MM_INVOICE_TT5

*ZAEIN_WS_MM_INVOICE_ST1
*ZAEIN_WS_MM_INVOICE_TT3
*ZAEIN_WS_MM_INVOICE_TT5

*      IF ls_invoice_header-purchasing_document IS NOT INITIAL
*          AND ( ls_invoice_header-purchase_order_type EQ 'Z002'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z005'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z006'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z010'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z011'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z012'
*                  OR ls_invoice_header-purchase_order_type EQ 'Z013' ) .
*
*          SELECT FROM zaemm_t018
*          FIELDS gib_number
*          WHERE ret_ebeln = @ls_invoice_header-purchasing_document
*          INTO TABLE @DATA(lt_gibs).
*          IF sy-subrc = 0 .
*              MOVE-CORRESPONDING lt_gibs[] TO ls_invoice-return_gibs[].
*          ENDIF.
*
*      ENDIF.

"Handenin talebi ile geri alidni.
MOVE-CORRESPONDING ls_invoice_header TO ls_invoice-invoice_header.
MOVE-CORRESPONDING lt_invoice_item_tab[] TO ls_invoice-invoice_items[].

APPEND ls_invoice TO et_invoice.
CLEAR: ls_invoice-invoice_header,
       ls_invoice-invoice_items[],
       ls_invoice-return_gibs[],
       lt_gibs,
       ls_invoice_header,
       lt_invoice_item_tab[].
```

ENDLOOP.

ENDIF.

ENDFUNCTION.

# ME51n için BADILER

Thursday, June 27, 2024 10:27 AM

**Class Builder: Display Interface IF\_EX\_ME\_PROCESS\_REQ\_CUST**

Method	Level	Description
INITIALIZE	Instance Method	Initializations (Invoked Once Only)
OPEN	Instance Method	Open a Purchase Requisition
PROCESS_HEADER	Instance Method	Processing of Header Data
PROCESS_ITEM	Instance Method	Processing of Item Data
PROCESS_ACCOUNT	Instance Method	Processing of Account Assignment Data
CHECK	Instance Method	Closing Check
POST	Instance Method	Post
CLOSE	Instance Method	Closing Processing
FIELDSELECTION_HEADER_REFKEYS	Instance Method	Field Selection Reference Key Document Header
FIELDSELECTION_HEADER	Instance Method	Special Field Selection Header
FIELDSELECTION_ITEM_REFKEYS	Instance Method	Field Selection Reference Key Document Item
FIELDSELECTION_ITEM	Instance Method	Special Field Selection Item

# Mail

Thursday, June 27, 2024 2:49 PM

```
TYPES : BEGIN OF ty_data,
    id type int4,
    "mail içerisinde kullanılacak olan veri tipleri burada tanımlanır.
END OF ty_data.

DATA : lt_data TYPE TABLE OF ty_data,
       wa_data TYPE ty_data.

*
*      lt_mail TYPE TABLE OF zpp_t_teyit_mail,"mail adresleri çekilebilir bu şekilde.
*      ls_mail TYPE zpp_t_teyit_mail.

DATA: lt_body          TYPE STANDARD TABLE OF soli,
      ls_body          TYPE soli,
      lv_result        TYPE abap_bool,
      lo_send_request  TYPE REF TO cl_bcs,
      lo_document      TYPE REF TO cl_document_bcs,
      lo_sender        TYPE REF TO cl_cam_address_bcs,
      lo_recipient     TYPE REF TO if_recipient_bcs,
      lo_bcs_exception TYPE REF TO cx_bcs. " gerekli tanımlamalar

DEFINE append_html."macro function ile append
ls_body-line = &1 .
append ls_body to lt_body.
END-OF-DEFINITION.

TRY.
"Create send request
lo_send_request = cl_bcs->create_persistent( ).
append_html ' <table border="0" cellpadding="0" cellspacing="0" width="100%"> '.
append_html ' <tr> '.
append_html ' <td style="padding: 10px 0 30px 0;"> '.
append_html ' <table align="center" border="0" cellpadding="0" cellspacing="0" width="1000" style="border: 1px solid #cccccc; border-collapse: collapse;"> '.
append_html ' <tr> '.
append_html ' <td align="left" bgcolor="#d1d2d4" style="padding: 40px 0 30px 10px; color: #153643; font-size: 28px; font-weight: bold; font-family: Arial, sans-serif;"> '.
append_html ' <b>AKSA-KAZANCI HOLDING Bilgilendirme</b> '.
append_html ' </td> </tr> <tr> '.
append_html ' <td bgcolor="#ffffff" style="padding: 10px 30px 40px 30px;"> '.
append_html ' <table border="0" cellpadding="0" cellspacing="0" width="100%"> '.
append_html ' <tr> '.
append_html ' <td style="padding: 10px 0 30px 0; color: #153643; font-family: Arial, sans-serif; font-size: 16px; line-height: 20px;"> '.
append_html ' Sayın Yetkili, '.
append_html ' </td> </tr> <tr> '.
append_html ' <td style="padding: 10px 0 30px 0; color: #153643; font-family: Arial, sans-serif; font-size: 16px; line-height: 20px;"> '.
append_html ' Teyit bilgileri aşağıdadır. <br> <br> '.

append_html '<table style="font-family:calibri;font-size:15;MARGIN:10px;"'.
append_html 'cellspacing="0" cellpadding="1" width="100%" '.
append_html 'border="1"><tbody><tr> '.
append_html '<th bgcolor="#C0C0C0">Müşteri sip. no.</th>'.
append_html '<th bgcolor="#C0C0C0">Müşteri sprş.klm.</th>'.
append_html '<th bgcolor="#C0C0C0">Ürt.Sip.</th>'.
append_html '<th bgcolor="#C0C0C0">İşlem</th>'.
append_html '<th bgcolor="#C0C0C0">İşyeri</th>'.
append_html '<th bgcolor="#C0C0C0">İşyeri Adı</th>'.
append_html '<th bgcolor="#C0C0C0">Power KVA</th>'.
append_html '<th bgcolor="#C0C0C0">Malzeme No</th>'.
append_html '<th bgcolor="#C0C0C0">Malzeme Adı</th>'.
append_html '<th bgcolor="#C0C0C0">Sipariş Türü</th>'.
append_html '<th bgcolor="#C0C0C0">Kabin Modeli</th>'.

LOOP AT lt_data INTO wa_data.
*
*      append_html '<tr align = "center">'.
*      CONCATENATE '<td>' wa_data-kdauf '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-kdpos '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-aufnr '</td>' INTO lv_text SEPARATED BY space.
```

```

*
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-vornr '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-arbpl '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-name1 '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CLEAR : lv_zzpower_c.
*      lv_zzpower_c = wa_data-zzpower.
*      CONDENSE lv_zzpower_c.
*      CONCATENATE '<td>' lv_zzpower_c '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-matnr '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-maktx '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-auart '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*      CONCATENATE '<td>' wa_data-zzmodeltip '</td>' INTO lv_text SEPARATED BY space.
*      append_html lv_text.
*
*      ENDLOOP.

append_html ' </tr> </tbody> </table> '.
append_html ' </td> </tr> <tr> '.
append_html ' <td bgcolor="#d1d2d4" style="padding: 30px 30px 30px 30px;"> '.
append_html ' <table border="0" cellpadding="0" cellspacing="0" width="100%"> '.
append_html ' <tr> '.
append_html ' <td style=" font-family: Arial, sans-serif; font-size: 14px;" width="75%"> '.
append_html ' KAZANCI HOLDİNG<br> '.
append_html ' Rüzgarlı Bahçe Mahallesi, Özalp Çıkmazı, No:10<br>Kavacık Beykoz<br> '.
append_html ' İSTANBUL/TÜRKİYE<br>Çözüm Merkezi : 444 4 187<br> '.
append_html ' </td> '.
append_html ' <td align="right" width="25%"> '.
append_html ' <table border="0" cellpadding="0" cellspacing="0"> '.
append_html ' <tr> '.
append_html ' <td style="font-family: Arial, sans-serif; font-size: 12px; font-weight: bold;"> '.
append_html ' <a href="https://kazanciholding.com.tr/" style="color: #ffffff;"> '.
append_html '  '.
append_html ' </a> '.
append_html ' </td> '.
append_html ' <td style="font-size: 0; line-height: 0;" width="20">&ampnbsp</td> '.
append_html ' <td style="font-family: Arial, sans-serif; font-size: 12px; font-weight: bold;"> '.
append_html ' <a href="https://kazanciholding.com.tr/Default.aspx" style="color: #ffffff;"> '.
append_html '  '.
append_html ' </a> </td> </tr> </table> '.
append_html ' </td> </tr> </table> '.
append_html ' </td> </tr> </table> '.
append_html ' </td> </tr> </table> '.

"Set up document object
lo_document = cl_document_bcs->create_document(
    i_type = 'HTM'
    i_text = lt_body[]
    i_subject = 'Teyit Mail Hk.' ).

"Add document to send request
lo_send_request->set_document( lo_document ).

lo_sender = cl_cam_address_bcs->create_internet_address( 'SAPBASIS@nttdata.com.tr' ).
CALL METHOD lo_send_request->set_sender
    EXPORTING
        i_sender = lo_sender.

*
*      LOOP AT lt_mail INTO ls_mail.
*          lo_recipient = cl_cam_address_bcs->create_internet_address( ls_mail-mail ).
*          CALL METHOD lo_send_request->add_recipient
*              EXPORTING
*                  i_recipient = lo_recipient
*                  i_express = 'X'.
*      ENDLOOP.

CALL METHOD lo_send_request->send_request->set_link_to_outbox( 'X' ).
CALL METHOD lo_send_request->set_send_immediately
    EXPORTING
        i_send_immediately = 'X'.

```

```
"Send Email
CALL METHOD lo_send_request->send
EXPORTING
  i_with_error_screen = space
RECEIVING
  result              = lv_result.

CATCH cx_bcs INTO lo_bcs_exception.

ENDTRY.
FREE : lo_document , lo_send_request.
*ENDIF.
```

# QM karakteristik BAPI'si

Friday, July 12, 2024 10:48 AM

## QC01\_BATCH\_VALUES\_READ

### Kullanımı:

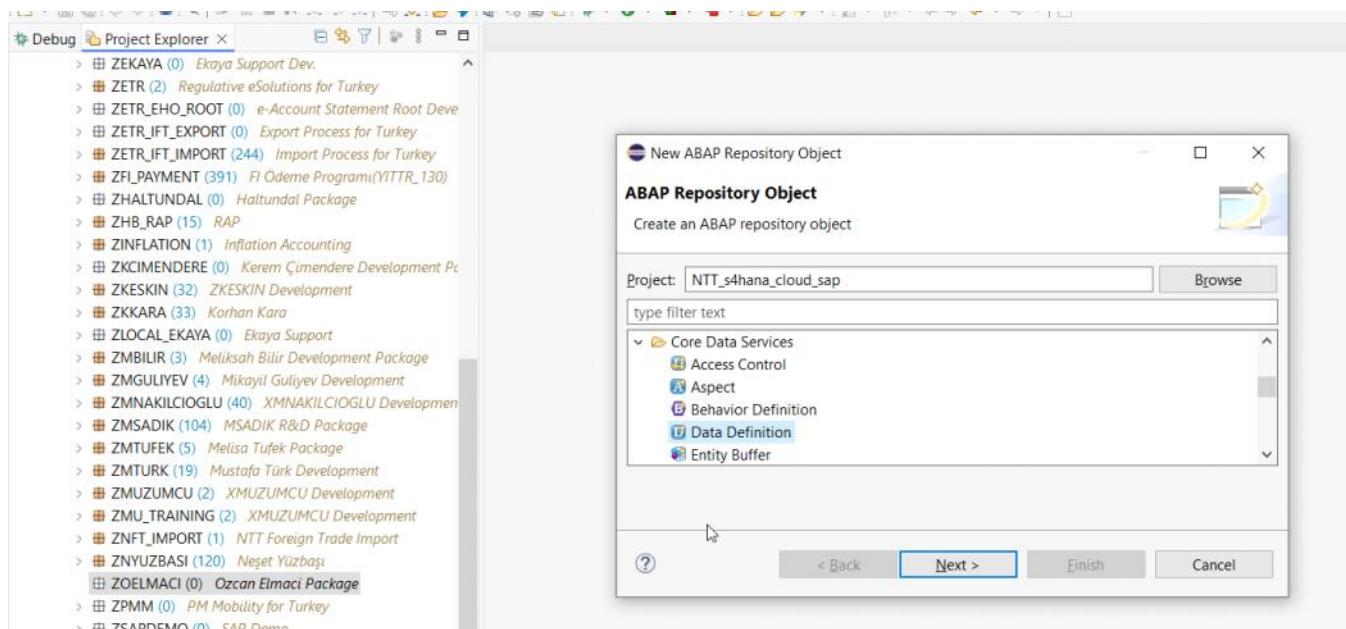
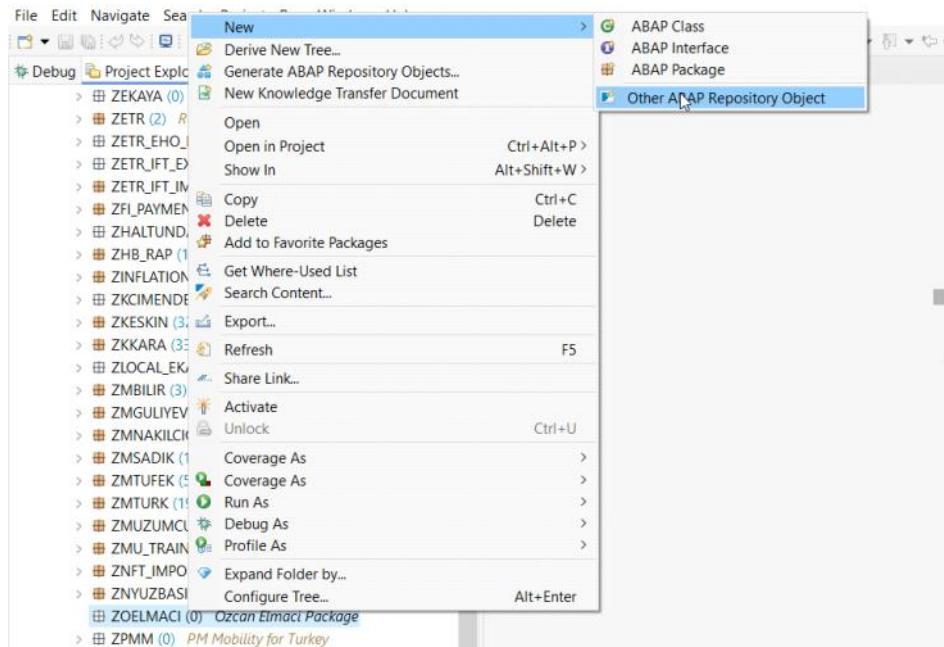
```
DATA : lt_batch1 TYPE TABLE OF api_char.
DATA : t_val_tab TYPE TABLE OF api_vali .

CLEAR: lt_batch1, t_val_tab.
CALL FUNCTION 'QC01_BATCH_VALUES_READ'
EXPORTING
  i_val_matnr = <fs_selection>-matnr
  i_val_werks = <fs_selection>-werk
  i_val_charge = charg
  i_date       = sy-datum
TABLES
  t_char_tab   = lt_batch1
  t_val_tab    = t_val_tab.

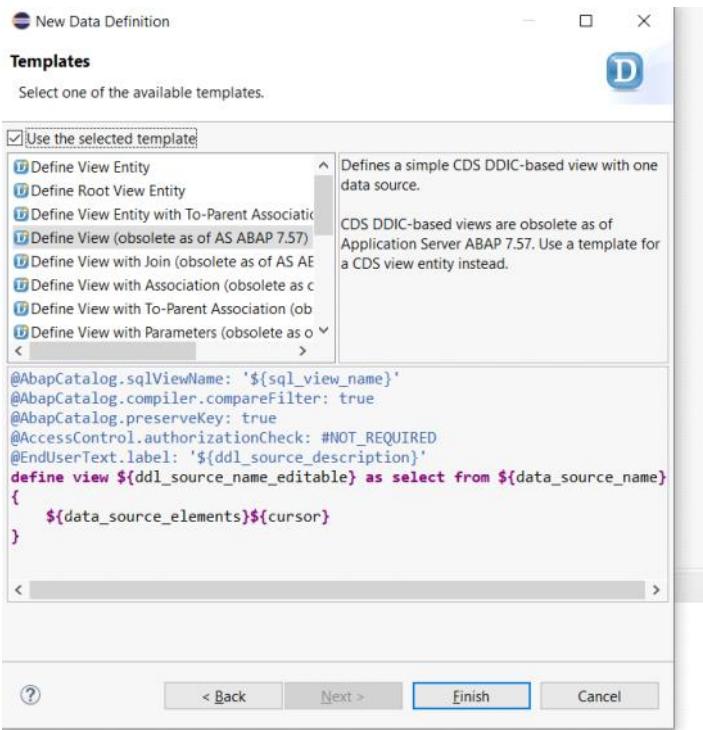
IF sy-subrc <> 0.
* Implement suitable error handling here
ENDIF.
```

# Eclipse CDS

Tuesday, July 16, 2024 4:10 PM



Next dedikten sonra request aldıktan sonra



Define View seçip finish diyoruz.

```
*[X11] ZOELMACI_CDS_GIRIS X
1= @AbapCatalog.sqlViewName: 'ZOELMACI_V_CDS_GIRIS'
2 @AbapCatalog.compiler.compareFilter: true
3 @AbapCatalog.preserveKey: true
4 @AccessControl.authorizationCheck: #NOT_REQUIRED
5 @EndUserText.label: 'CDS Giriş'
6 define view ZOELMACI_CDS_GIRIS as select from data_source_name
7 {
8
9 }
```

**AbapCatalog :** CDS view a ait teknik ayarlamaların yapıldığı yerdir.

**AccessControl:** CDS viewlar için yetki kontrolleri için kullanılır. Eclipse üzerinde Access kontrol ile kendi yetki kontrolümüzü yapabileceğimiz gibi aynı zamanda PFCG de tanımlanmış olan yetki objelerini de burada kullanarak kontrol sağlayabiliriz.

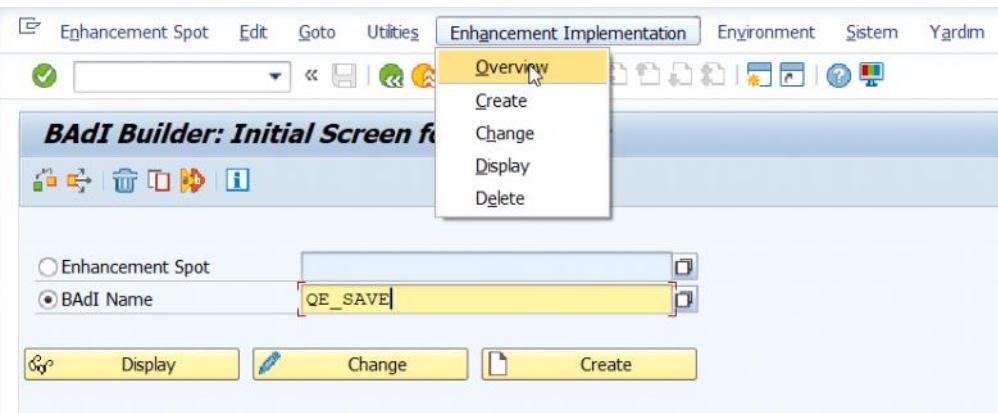
**DataAging →** Hana DB tablolarındaki eski ve yeni veriyi ayırt etme imkanı sunar CDS view da da noAgingRestriction ile eski verinin getirilip getirmeyeceğine karar verilir.

**EndUserText →** Label özelliği kullanılarak aslında CDS view a tanım verilmesini sağlar. 60 karaktere kadar tanım verilebilir

# QE11 Save butonu arkasındaki BADI ve kullanımı

Tuesday, July 23, 2024 6:04 PM

SE18 ekrانına gidilir, daha önceden bir implementation yapılmışsa;



Bu aşamalar ile, eğer daha önceden yapılmamışsa da yaparak işlemlere devam edilir.

The screenshot shows the SAP SE18 interface. The title bar says 'BADI Builder: Initial Screen for Definitions'. Below it, there's a toolbar with icons for Create, Change, Delete, and so on. A radio button for 'BADI Name' is selected with the value 'QE\_SAVE'. At the bottom are 'Display', 'Change', and 'Create' buttons. Below this, a separate window titled 'AED(1)/100 Business Add-Ins: All Implementations for Definition QE\_SAVE' is open. It shows a table with one row: 'Implementation' (ZQE\_SAVE) and 'Implementation Short Text' (Kontrol partisi). The 'Display' button is highlighted.

The screenshot shows the SAP SE18 interface. The title bar says 'Business Add-In Builder: Display Implementation ZQE\_SAVE'. Below it, there's a toolbar with icons for Create, Change, Delete, and so on. A radio button for 'Implementation Name' is selected with the value 'ZQE\_SAVE'. Below it, 'Implementation Short Text' is 'Kontrol partisi', 'Definition Name' is 'QE\_SAVE', and 'Runtime Behavior' is 'Implementation will be called'. At the bottom are 'Properties' and 'Interface' tabs. Under 'Interface', 'Interface name' is 'IF\_EX\_QE\_SAVE' and 'Name of Implementing Class' is 'ZCL\_IM\_QE\_SAVE'. A table below shows methods: 'IS\_ACTIVE' (ABAP ABAP...) and 'TABLES\_IN\_OPERATION' (ABAP ABAP...).

IS\_ACTIVE metodunda BADI'yi aktifleştirmek için yazılması gereken kod var;

The screenshot shows the SAP SE18 interface. The title bar says 'Class Builder Class ZCL\_IM\_QE\_SAVE Display'. Below it, there's a toolbar with icons for Create, Change, Delete, and so on. A table shows a parameter: 'value( RV\_ACTIVE )' with 'Typing' as 'TYPE CHAR1' and 'Description' as 'X = BADI is active'. Below this, a code editor shows the implementation of the 'IS\_ACTIVE' method:

```
1 | METHOD if ex_qe_save-is_active.
2 |   rv_active = 'X'.
3 | ENDMETHOD.
```

TABLES\_IN\_OPERATION metodunda ise ilgili kodlar yazıldıktan sonra kaydetme işleminin yapılabilmesi için EV\_SAVING\_ALLOWED alanının 'X' olması gerekiyor.

**Class Builder Class ZCL\_IM\_QE\_SAVE Display**

Navigation icons: Back, Forward, Home, Save, Print, Pattern, Pretty Printer, Signature, Public Section, Protected Section.

Ty.	Parameter	Typing	Description
PO	value( IS_QALS )	TYPE QALS	Inspection Lot Record
PO	EV_SAVING_ALLOWED	TYPE CHAR1	'X' = Execute Save
PO	CS_QAPO	TYPE QAPO OPTIONAL	Inspection Operation Records
PO	CS_QAPP	TYPE QAPP OPTIONAL	Inspection Point
PO	CT_QAMK	TYPE QAMKRTAB OPTIONAL	Table: Specifications and Results for Inspection Charac.
PO	CT_QASP	TYPE QASPRTAB OPTIONAL	Table: Results Record and Specifications Record for Sample
PO	CT_QASE	TYPE QASERTAB OPTIONAL	Table: Results Record for Sample Unit
PO	CT_QAKL	TYPE QAKLRTAB OPTIONAL	Table: Results Record for Results Value Class

Method IF\_EX\_QE\_SAVE~TABLES\_IN\_OPERATION Active

```
79: allocvaluescharnew = lt_alloc_char
80: allocvaluescurrnew = lt_alloc_curr
81: return           = lt_return.

82: LOOP AT lt_return TRANSPORTING NO FIELDS WHERE type CA 'EAX'.
83:   MESSAGE e000(zqm_008).
84:   EXIT.
85: ENDLOOP.

86: 
87: 
88:   IF sy-subrc IS NOT INITIAL.
89:     ev_saving_allowed = 'X'.
90:   ENDIF.
91: 
92:   ENDIF.
93: 
94: ENDIF.
95: ENDMETHOD.
```

# MSC3N'ye parti karakteristiği akması örneği

Tuesday, July 23, 2024 6:13 PM

```
METHOD if_ex_qe_save~tables_in_operation.

IF sy-tcode EQ 'QE11'.
  READ TABLE ct_qamk WITH KEY kurztext = 'Ek Sayısı' ASSIGNING FIELD-SYMBOL(<lfs_qamk>).

  IF sy-subrc IS INITIAL AND <lfs_qamk>-original_input IS NOT INITIAL.
    SPLIT <lfs_qamk>-original_input AT ',' INTO DATA(lv_first) DATA(lv_second).

    data: lv_second_int type int4.

    lv_second_int = lv_second.

    IF lv_second_int ne 0.
      MESSAGE e001(zqm_008).
    ENDIF.

    IF ( is_qals-herkunft EQ '04' OR is_qals-herkunft EQ '89' ) .
      DATA: lt_objectkeytable      TYPE TABLE OF bapi1003_object_keys,
            lt_return           TYPE TABLE OF bapiret2,
            lv_conc_long         TYPE bapi1003_key-object_long,
            lt_alloc_num          TYPE TABLE OF bapi1003_alloc_values_num,
            lt_allocvaluescharnew TYPE TABLE OF bapi1003_alloc_values_char,
            lt_alloc_curr          TYPE TABLE OF bapi1003_alloc_values_curr.

      lt_objectkeytable = VALUE #( ( key_field = 'MATNR' value_int = is_qals-matnr )
                                    ( key_field = 'CHARG' value_int = is_qals-charg ) ).

      CALL FUNCTION 'BAPI_OBJCL_CONCATENATEKEY'
        EXPORTING
          objecttable        = 'MCH1'
        IMPORTING
          objectkey_conc_long = lv_conc_long
        TABLES
          objectkeytable     = lt_objectkeytable
          return             = lt_return.

      DATA lt_alloc_char TYPE TABLE OF bapi1003_alloc_values_char.
      CALL FUNCTION 'BAPI_OBJCL_GETDETAIL'
        EXPORTING
          objecttable        = 'MCH1'
          classnum           = 'Z_BATCH'
          classtype          = '023'
          keydate            = sy-datum
          objectkey_long     = lv_conc_long
          unevaluated_chars  = 'X'
        TABLES
          allocvaluesnum    = lt_alloc_num
          allocvalueschar   = lt_alloc_char
          allocvaluescurr   = lt_alloc_curr
          return             = lt_return.

      LOOP AT lt_return TRANSPORTING NO FIELDS WHERE type CA 'EAX'.
        EXIT.
      ENDLOOP.

      IF sy-subrc IS NOT INITIAL.
        DATA: lv_eksayi TYPE num1.

        READ TABLE lt_alloc_num ASSIGNING FIELD-SYMBOL(<fs_allocvaluesnum>) WITH KEY charact = 'Z_EKSAYISI'.
        IF <fs_allocvaluesnum> IS ASSIGNED.
          lv_eksayi = <lfs_qamk>-original_input.
          <fs_allocvaluesnum>-value_from = lv_eksayi.
        ENDIF.

        CALL FUNCTION 'BAPI_OBJCL_CHANGE'
          EXPORTING
            objecttable        = 'MCH1'
            classnum           = 'Z BATCH'
            classtype          = '023'
            STATUS             = '1'
            STANDARDCLASS      =
            CHANGENUMBER       =
            keydate            = sy-datum
            NO_DEFAULT_VALUES = ''
            KEEP_SAME_DEFAULTS = ''
            objectkey_long     = lv_conc_long
          TABLES
        ENDIF.
```

```

allocvaluesnumnew = lt_alloc_num
allocvaluescharnew = lt_alloc_char
allocvaluescurrnew = lt_alloc_curr
return           = lt_return.

LOOP AT lt_return TRANSPORTING NO FIELDS WHERE type CA 'EAX'.
  MESSAGE e000(zqm_008).
  EXIT.
ENDLOOP.

IF sy-subrc IS NOT INITIAL.
  ev_saving_allowed = 'X'.
ENDIF.
ENDIF.
ENDIF.
ENDIF.
ENDMETHOD.

```

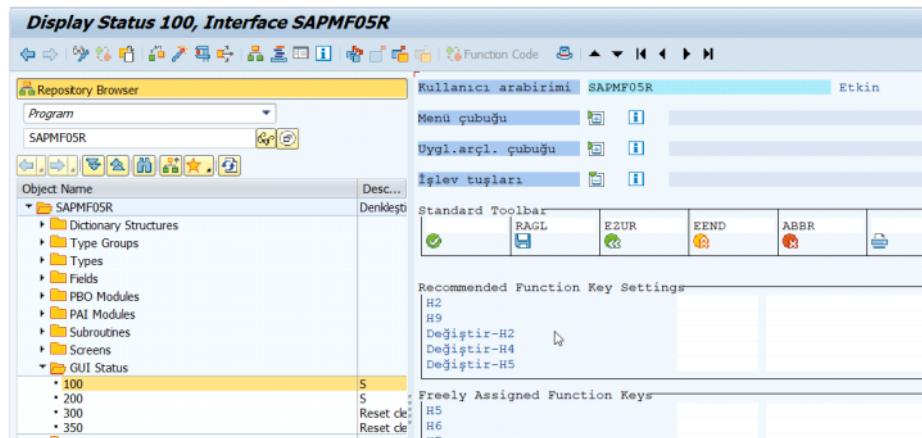
# FTR\_EDIT Muhatap zorunlu yapma BADISI

Thursday, July 25, 2024 3:26 PM

FTR\_CUSTOMER\_EXTENT

FBRA Save butonu için enhancement

Monday, July 29, 2024 4:14 PM



Sistem durum ile programa git -> Nesne görünümü yap ve GUI status'u bul. -> Kaydet butonuna denk gelen text'i bul (RAGL).

Sonrasında master programda arama yapılabilir. Ya da yine ana programda PAI include kısmına girilip buradaki gibi 100 numaralı ekran arkasındaki user command kontrol edilebilir.

Module Pool SAPMF05R Active

```
1  *-----+
2  | *      Rücknahme Ausgleich
3  +-----+
4
5  *-----+
6  | *      Daten-Deklaration
7  +-----+
8  INCLUDE MF05RTOP.
9
10 *-----+
11 | *      PBO - Routinen
12 +-----+
13 INCLUDE MF05R000.
14
15 *-----+
16 | *      PAI - Routinen
17 +-----+
18 INCLUDE MF05RI00.
```

Inlude MF05RI00 Active

```
DATA lt_agko TYPE TABLE OF agko WITH HEADER LINE.
DATA(lt_cleared_accounts) = go_reset_gl_clr->get_cleared_accounts.
LOOP AT lt_cleared_accounts REFERENCED INTO DATA(lr_cleared_accounts).
APPEND INITIAL LINE TO lt_agko REFERENCED INTO DATA(lr_agko).
lr_agko->bukrs = lr_cleared_accounts->bukrs.
lr_agko->agkto = lr_cleared_accounts->hkont.
lr_agko->koart = 'ST'.
ENDLOOP.
```

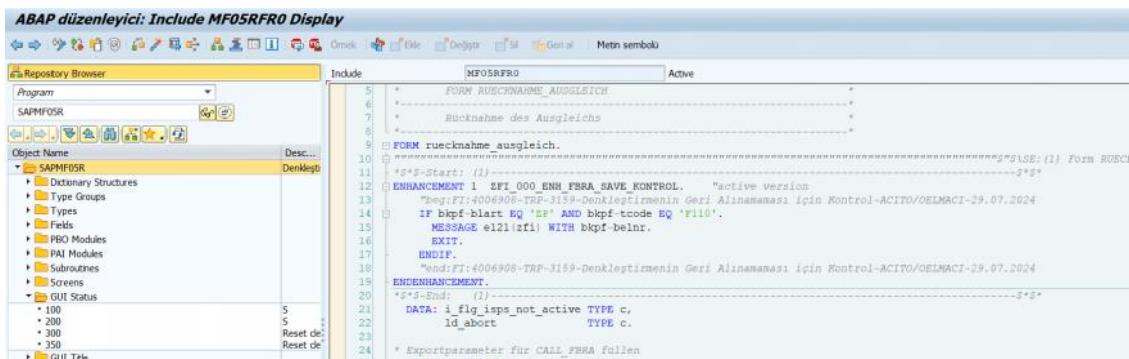
Ara

Arama RAGI

Options	Search
<input checked="" type="checkbox"/> Yalnız tam metin	<input type="checkbox"/> Yüklendiği doğru ara
<input type="checkbox"/> Büyük/küçük harf ya...	<input type="checkbox"/> Gözde metin
<input type="checkbox"/> Digerini deyim	<input type="checkbox"/> Kademeli arama
	<input type="checkbox"/> Sorgular

set de...  
set de...

Burayı bulduktan sonra debug yapılarak asıl metod bulunur. Benim case'imde kaydet butonuna basılıncı bir kontrol koymak en mantıklı seçimi. Bu yüzden 84. satırındaki metod içinde enhancement yaptım.





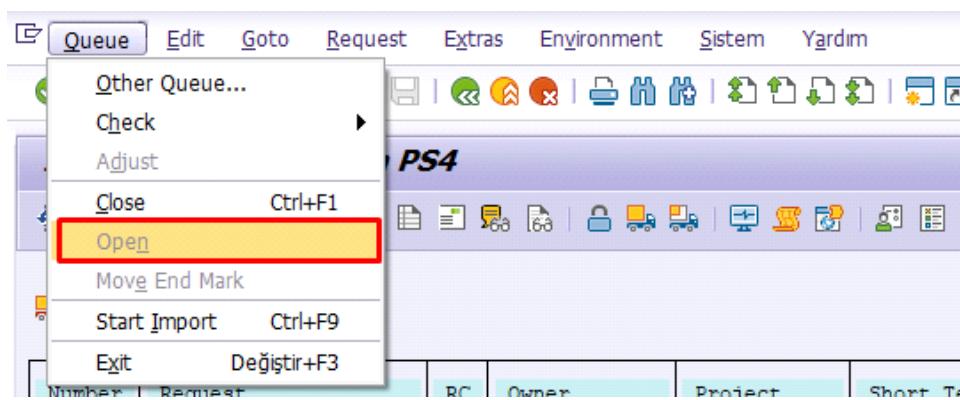
# CANLIYA ALINAN REQUEST'N STMS İÇERİSİNDE GÖRÜLMEMESİ SORUNU ÇÖZÜMÜ HK

Thursday, August 1, 2024 12:27 PM

## CANLIYA ALINAN REQUEST'N STMS İÇERİSİNDE GÖRÜLMEMESİ SORUNU ÇÖZÜMÜ HK

Request no'u qa'den al, arat.

Pasif olarak gelecektir, requeste tıklayıp sol üstten open durumuna getir. Artık request import edilmeye hazır olur.



Canlıya taşıma durumlarında bazen DEV->QA-> En son canlı kuyruğundan içeri requesti alıyoruz. Bazen request canlı da importa kapalı olarak geliyor. Böyle durumlarda, QA'de içeri aldığımız req no'u kopyalayıp canlıda o req'i canlı stms içerisinde aratıyoruz, zaten geliyor karşımıza. Sonra requeste tıklayıp, sol üstten Queue tıklanıp "Open" deniyor. Böylece request import'a açık duruma gelmiş oluyor.

# Dialog Ekranına Manuel Varyant Kaydetme ve Getirme

Tuesday, August 6, 2024 1:06 PM

Kullanılan linkler:

<https://abapblog.com/articles/how-to/24-save-variant-for-single-subscreen>

<https://abapblog.com/articles/how-to/28-load-variant-to-single-subscreen-selection-screen>

# EXIT\_SAPLFMR4\_002 için enhancement cmod üzerinden proje

Wednesday, August 7, 2024 6:09 PM

# Using ABAP2XLSX to send ALV table output as Excel spreadsheet via internet email

Friday, August 9, 2024 8:51 AM

<https://community.sap.com/t5/application-development-blog-posts/using-abap2xlsx-to-send-alv-table-output-as-excel-spreadsheet-via-internet/ba-p/13365240>

# Workshett ile birlikte excel oluşturma ve mail olarak gönderme

Monday, August 12, 2024 4:08 PM

Kullanım kısmı:

```
gt_tab10 = CORRESPONDING #( lt_tab10 ).  
  
"DOZTOP/OELMACI-06.08.2024  
IF sy-batch EQ 'X'.  
  PERFORM copy_table_to_excel_worksheet USING gt_tab10 'Yal__Yat'.  
  PERFORM send_excel_via_email USING recipient.  
ENDIF.  
  
"beg:DOZTOP/OELMACI-08.08.2024  
FORM copy_table_to_excel_worksheet USING source_stack  
  TYPE STANDARD TABLE  
  source_description  
  TYPE string  
  RAISING zcx_excel.  
CONSTANTS : first_column TYPE char1 VALUE 'A'  
. DATA : worksheet TYPE REF TO zcl_excel_worksheet  
, worksheet_title  
  TYPE zexcel_sheet_title  
, table_settings TYPE zexcel_s_table_settings  
. table_settings-table_style = zcl_excel_table=>builtinstyle_medium2.  
table_settings-show_row_stripes = abap_true.  
table_settings-nofilters = abap_true.  
table_settings-top_left_column = first_column.  
table_settings-top_left_row = 01.  
IF excel IS NOT BOUND.  
  CREATE OBJECT excel.  
  worksheet = excel->get_active_worksheet( ).  
ELSE.  
  worksheet = excel->add_new_worksheet( ).  
ENDIF.  
worksheet_title = source_description.  
worksheet->set_title( worksheet_title ).  
worksheet->bind_table(  
  ip_table = source_stack  
  is_table_settings = table_settings  
).  
ENDFORM.  
FORM send_excel_via_email USING recipient TYPE email_recipient.  
  CONSTANTS : excel_file_type TYPE string VALUE '.xlsx',  
  file_name_parameter TYPE string VALUE '&SO_FILENAME='.  
  
DATA : excel_writer  
  excel_as_xstring  
  excel_as_xstring_bytectcount  
  excel_as_soli_x_stack  
  mail_send_request  
  mail_message  
  any_bcs_exception  
  diagnostic  
  mail_title  
  mail_text_stack  
  mail_text_entry  
  mail_attachment_subject  
  mail_attachment_bytectcount  
  mail_attachment_header_stack  
  TYPE REF TO zif_excel_writer,  
  TYPE xstring,  
  TYPE i,  
  TYPE solix_tab,  
  TYPE REF TO cl_bcs,  
  TYPE REF TO cl_document_bcs,  
  TYPE REF TO cx_bcs,  
  TYPE string,  
  TYPE so_obj_des,  
  TYPE soli_tab,  
  LIKE LINE OF mail_text_stack,  
  TYPE sood-objdes,  
  TYPE sood-objlen,  
  TYPE soli_tab,
```

```

        mail_attachment_header_entry LIKE LINE OF mail_attachment_header_stack,
        internet_email_recipient      TYPE REF TO if_recipient_bcs,
        successful_send                TYPE abap_bool,
        file_name                      TYPE string.

    " Much of the code here was lifted from method send_mail of
    " class lcl_ouput, defined in object ZDEMO_EXCEL_OUTPUTOPT_INCL:
CONCATENATE sy-repid           " this report name
            sy-datum            " current date
            sy-uzeit             " current time
            excel_file_type      " excel file extension
INTO file_name SEPARATED BY '_'.

mail_title                     = 'Bilgilendirme Maili'.
mail_attachment_subject         = file_name.
mail_text_entry                 = 'ZSD_ENJ_262 Rapor çıktısı ektedir.'.

APPEND mail_text_entry TO mail_text_stack.

CONCATENATE file_name_parameter
            file_name
INTO mail_attachment_header_entry.

APPEND mail_attachment_header_entry TO mail_attachment_header_stack.

CREATE OBJECT excel_writer TYPE zcl_excel_writer_2007.
excel_as_xstring               = excel_writer->write_file( excel ).
excel_as_solix_stack           = cl_bcs_convert=>
xstring_to_solix( iv_xstring = excel_as_xstring ).
excel_as_xstring_bytect       = xstrlen( excel_as_xstring ).
mail_attachment_bytect          = excel_as_xstring_bytect.

TRY.
    mail_message                  = cl_document_bcs=>create_document(
        i_type      = 'RAW'          "#EC NOTEXT"
        i_text      = mail_text_stack
        i_subject   = mail_title
    ).

    mail_message->add_attachment(
        i_attachment_type        = 'XLS'          "#EC NOTEXT"
        i_attachment_subject     = mail_attachment_subject
        i_attachment_size        = mail_attachment_bytect
        i_att_content_hex        = excel_as_solix_stack
        i_attachment_header      = mail_attachment_header_stack
    ).

    mail_send_request            = cl_bcs=>create_persistent( ).
    mail_send_request->set_document( mail_message ).
    internet_email_recipient    = cl_cam_address_bcs=>
create_internet_address( recipient ).
    mail_send_request->add_recipient( internet_email_recipient ).
    successful_send              = mail_send_request->send( ).

    COMMIT WORK.

    IF successful_send EQ abap_false.
        MESSAGE i500(sbcoms) WITH recipient.
    ELSE.
        MESSAGE s022(so).
        LEAVE PROGRAM.
    ENDIF.

    CATCH cx_bcs INTO any_bcs_exception.
        diagnostic             = any_bcs_exception->
if_message~get_text( ).
        MESSAGE diagnostic TYPE 'I'.
    ENDTRY.
ENDIFFORM.

"end:DOZTOP/OELMACI-08.08.2024

```



# QM01 save exit

Wednesday, August 21, 2024 2:53 PM

QM01- EXIT

QQMA0014 QM/PM/SM: Bildirimi saklamadan önceki kontroller

EXIT\_SAPMIW00\_020

# Query Rapor Kopyalaması - Emrullah Abi Not

Wednesday, August 21, 2024 2:53 PM

<https://community.sap.com/t5/enterprise-resource-planning-blogs-by-members/transporting-sap-query/ba-p/13264072>

Transporting SAP Query

User Manual for Transporting SAP Query Step1: Copy Usergroup from Global Area to Standard Area: Step 2: Copy InfoSet from Global Area to Standard Area Step 3: Copy InfoSet and qu...

Query kopyalamayı bu blog yazısı üzerinden yapabilirsin

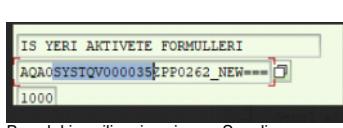
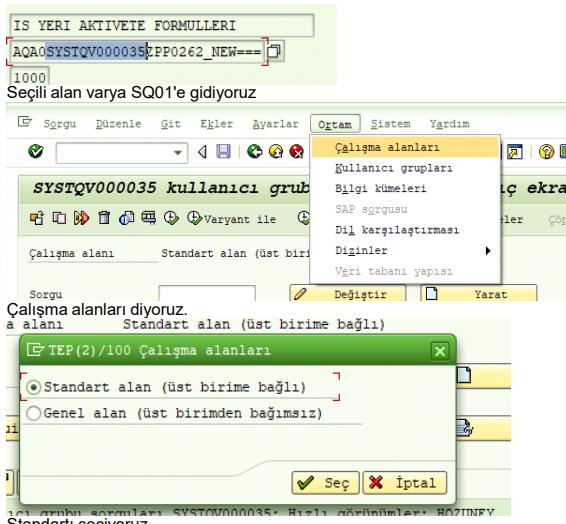
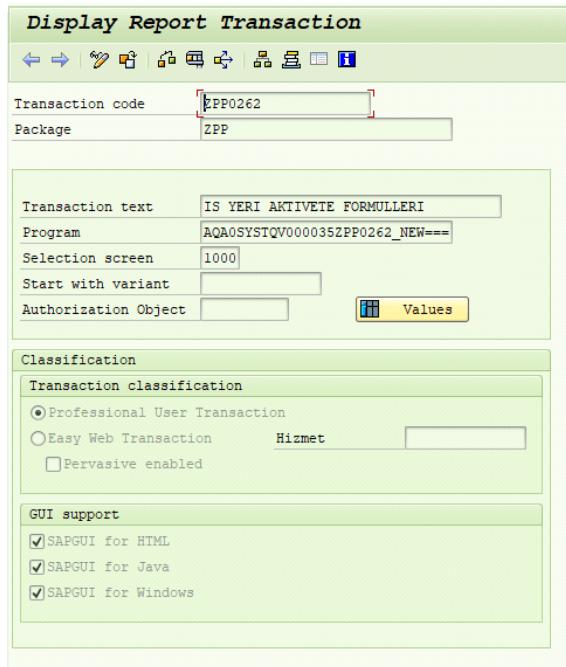
Örnek bunun üzerinden göstereyim

ZPP0262

Toksan Prod  
172.23.32.174  
00  
TEP  
/H/185.82.220.235

Danisman  
KHis2024\*\*

**Demirhan, Emrullah**  
Örnek bunun üzerinden göstereyim ZPP0262  
SE93'den bakıyorum.



Buradaki seçili yeri seçiyoruz Seç diyoruz

SAP SE38 interface showing a query result for 'SYSTQV000035 kullanıcı grubu sorusu: Baş.'. The result table lists various user groups and their names.

Ad	Kullanıcı grubu tanımı
ZARS	SYSTQV000023 Hızlı görünümler: BYILMAZ
ZBC_Q	SYSTQV000024 QuickViews: DAVID
ZBC_U	SYSTQV000025 Hızlı görünümler: IT-OKIYAR
ZBOM	SYSTQV000026 Hızlı görünümler: AGULER
ZBOM	SYSTQV000027 Hızlı görünümler: CKURTULUS
ZBOR_	SYSTQV000028 QuickViews: EASY-II
ZBO_D	SYSTQV000029 Hızlı görünümler: ESAYALI
ZC000	SYSTQV000030 Hızlı görünümler: GKIRAZ
ZC001	SYSTQV000031 Hızlı görünümler: EGULER
ZFI10	SYSTQV000032 Hızlı görünümler: UMERT
ZFL_M	SYSTQV000033 Hızlı görünümler: HKOSE
ZHR_B	SYSTQV000034 Hızlı görünümler: SBARUT
ZMM_M	SYSTQV000035 Hızlı görünümler: HOZUNNEY
ZMM_M	SYSTQV000036 Hızlı görünümler: NGUGERCIN
ZMM_M	ZBASIS Basis raporlar
ZMM_S	ZCO CO KULLANICI GRUBU
ZMM_S	ZFI FI Raporları
ZPLAN	ZHR Hr Kullanıcı Adı
ZPM_F	ZMM
ZPP02	ZMM MMILLANTIT GRUBU
ZPP_I	
ZPS_Z	Yazan ve değiştiren
ZSD_17	17 11 belgelerin listesi

Transporting SAP Query

User Manual for Transporting SAP Query Step1:

Copy Usergroup from Global Area to Standard Area: Step 2: Copy InfoSet from Global Area to Standard Area Step 3: Copy InfoSet and qu...

Daha sonra seçili ismi gelen listede arıyoruz.

IS YERİ AKTİVİTE FORMÜLLERİ

AQAOSYSTQV000035 ZPP0262\_NEW --=

1000

Values

Kullanıcı grubu soruları SYSTQV000035: Hızlı görünümler: HOZUNNEY

Ad	Bağılık	Bilgi kimliği	Mantıksal VT/Tablo/görünüm/join	Bilgi kimisi bağlılığı
ZPP0262_NEW	İş Yeri Aktivite Türü Raporu V2	SYSTQV00000000000000000371	CRHD ...	HOZUNNEY:ZPP0262_NEW

Gelmış oluyor

SE38'e gidiyoruz. RSAQR3TR bu programı çalıştırıyoruz

ABAP düzenleyici: Başlangıç ekranı

Program RSAQR3TR Yarat

Alt nesneler

- Kaynak metin
- Varyantlar
- Özellikler
- Dokumentasyon
- Metin öğeleri

Görüntüle Değiştir

Deneme çalıştırması tıkını kaldırırsın

SAP sorgusu: Taşıma aracı

**Taşıma işlemleri seçimi**

- Dışa aktar       Aşağı yükle       Görüntüle
- İçe aktar       Yukarı yükle       Sil
- Kopyala: Standart alan -> genel alan
- Kopyala: Genel alan -> standart alan

Deneme çlg.

Üz.yazma olanaklı (yalnız içe aktır./yük.yükli./kopyalandı)

Sorg.varyantlarının taşınması (yalnız dışa aktar./içe aktar./kopyalandı)

Sorg.düzen varyantlarının taşınması (yalnız dışa aktarma/ice aktarma/kopyalama için)

Sorguların rapor/rapor arayüzünün taşınması (yalnız dışa aktarma/ice aktarma için)

Saklanan listelerin taşınması (yalnızca kopyalandı)

**Taşıma seçenekleri seçimi**

Kullanıcı grupları taşıması

Içe aktarma seviyesi: **REPLACE**

Kullanıcı grupları:  son

Bilgi kümeleri taşıması

Içe aktarma seviyesi: **REPLACE**

Bilgi kümeleri:  son

Bilgi kümeleri ve sorguların taşıması

Içe aktarma seviyesi: **REPLACE**

Bilgi kümeleri:  son

Sorgular:  son

Sorguların taşılanması

Içe aktarma seviyesi: **REPLACE**

Kullanıcı grupları:  son

Sorgular:  son

Içe aktarılarda veri kümlesi:  son

Başarılı içe akt. sonra sil

Kırmızı işaretli alan hariç diğerleri için tek tek dışa aktar yapıyoruz

Kullanıcı grupları taşıması

Içe aktarma seviyesi: **REPLACE**

Kullanıcı grupları:  son

Bilgi kümeleri taşıması

Içe aktarma seviyesi: **REPLACE**

Bilgi kümeleri:  son

Bilgi kümeleri ve sorguların taşıması

Içe aktarma seviyesi: **REPLACE**

Bilgi kümeleri:  son

Sorgular:  son

Sorguların taşılanması

Içe aktarma seviyesi: **REPLACE**

Kullanıcı grupları:  son

Sorgular:  son

Içe aktarılarda veri kümlesi:  son

İlk olarak kullanıcı gruplarını taşıyoruz.

IS YERI AKTİVITE FORMÜLLERİ

AQA0SYSTQV000035|PP0262\_NEW==

1000

Kullanıcı grubu bu tıkları atmayı unutmuyoruz.

SAP sorgusu: Taşıma aracı

**Taşıma işlemleri seçimi**

- Dışa aktar       Aşağı yükle       Görüntüle
- İçe aktar       Yukarı yükle       Sil
- Kopyala: Standart alan -> genel alan
- Kopyala: Genel alan -> standart alan

Deneme çlg.

Üz.yazma olanaklı (yalnız içe aktır./yük.yükli./kopyalandı)

Sorg.varyantlarının taşınması (yalnız dışa aktar./içe aktar./kopyalandı)

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Sorguların rapor/rapor arayüzünün taşınması (yalnız dışa aktarma/ice aktarma için)

Saklanan listelerin taşınması (yalnızca kopyalandı)

**Taşıma seçenekleri seçimi**

Kullanıcı grupları taşıması

Içe aktarma seviyesi: **REPLACE**

Kullanıcı grupları:  son

SAP sorgusu: Taşıma aracı

**Taşıma işlemleri seçimi**

- Dışa aktar       Aşağı yükle       Görüntüle
- İçe aktar       Yukarı yükle       Sil
- Kopyala: Standart alan -> genel alan
- Kopyala: Genel alan -> standart alan

Deneme çlg.

Üz.yazma olanaklı (yalnız içe aktır./yük.yükli./kopyalandı)

Sorg.varyantlarının taşınması (yalnız dışa aktar./içe aktar./kopyalandı)

Sorg.düzen varyantlarının taşınması (yalnız dışa aktarma/ice aktarma/kopyalama için)

Sorguların rapor/rapor arayüzünün taşınması (yalnız dışa aktarma/ice aktarma için)

Saklanan listelerin taşınması (yalnızca kopyalandı)

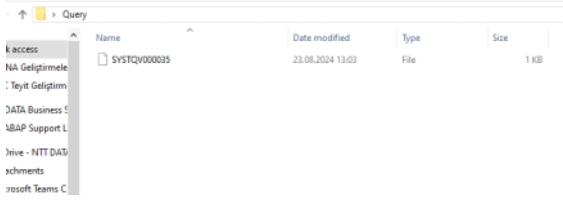
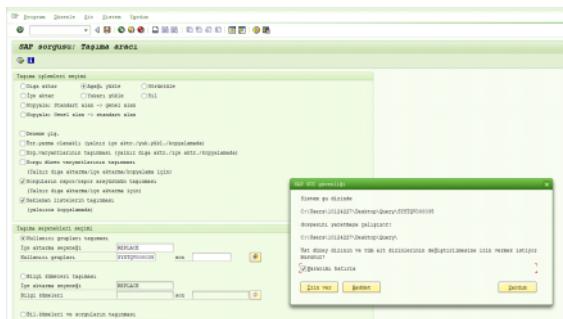
**Taşıma seçenekleri seçimi**

Kullanıcı grupları taşıması

Içe aktarma seviyesi: **REPLACE**

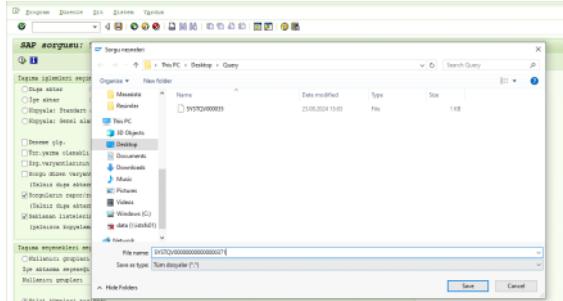
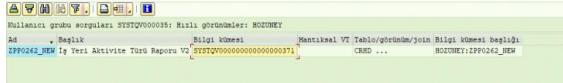
Kullanıcı grupları:  son

Aynı isimde kaydediyoruz.



Otomatik gelmiş oldu

Şimdi bilgi kümelerinde sıra



Aynı şekilde bunuda kaydediyoruz

Sira sorguda

Kullanıcı grubu üstteki

```
IS YERİ AKTİVİTE FORMÜLLERİ
AQA0SYSTQV000035ZPP0262_NEW==
```

1000

Sorgu adı

```
IS YERİ AKTİVİTE FORMÜLLERİ
AQA0SYSTQV000035ZPP0262_NEW==
```

1000

**Values**

**SAP sorusu: Taşıma aracı**

**Taşıma işlemleri seçimi**

- Dışa aktar       Aşağı yükle       Görüntüle
- İçe aktar       Yukarı yükle       Sil
- Kopyala: Standart alan -> genel alan
- Kopyala: Genel alan -> standart alan

Deneme git.

Ür.İzme clasaklı (yalnız içe aktır./yükle./kopyalamada)

Srg.varyantlarının tasnimesi (yalnız dışa aktar./içe aktar./kopyalamada)

Soru dizen varyantlarının tasnimesi (yalnız dışa aktar./içe aktar./kopyalamada)

Soruların rapor/rapor arayızdırın tasnimesi (yalnız dışa aktar./içe aktar için)

Saklanan listelerin tasniması (yalnız kopyalamada)

**Taşıma seçenekleri seçimi**

- Kullanıcı grupları tasnimesi  
İçe aktarma seçenekleri:  REPLACE  
Kullanıcı grupları: SYSTQV000035 son
- Bilgi kümeleri tasniması  
İçe aktarma seçenekleri:  REPLACE  
Bilgi kümeleri: SYSTQV000000000000... son
- Bilgi kümeleri ve soruların tasniması  
İçe aktarma seçenekleri:  REPLACE  
Bilgi kümeleri: son   
Sorular: son

Soruların tasniması  
İçe aktarma seçenekleri:  REPLACE  
Kullanıcı grupları: SYSTQV000035 son   
Sorular:  ZFF0242\_NEW son

Yürüttür kaydediyoruz.

**SAP sorusu: SAP soruseli**

**Taşıma işlemleri seçimi**

- Dışa aktar
- İçe aktar
- Kopyala: Standart alan
- Kopyala: Genel alan

Deneme git.

Ür.İzme clasaklı

Srg.varyantlarının tasnimesi

Soru dizen varyantının tasnimesi

Soruların tasnimesi

Saklanan listelerin tasniması (yalnız kopyalamada)

**Taşıma seçenekleri seçimi**

Kullanıcı grupları  
İçe aktarma seçenekleri:  REPLACE  
Kullanıcı grupları:  ZFF0242\_NEW

Bilgi kümeleri tasniması

Bilgi kümeleri ve soruların tasniması

Soruların tasniması

Aynı şekilde import yanı yukarı yük ile HANA sisteme işlemleri gerçekleştiriyorsun

**Taşıma işlemleri seçimi**

- Dışa aktar       Aşağı yükle       Görüntüle
- İçe aktar       Yukarı yükle       Sil

# Query Rapor Kopyalaması - Benim Not

Wednesday, August 28, 2024 10:06 AM

Örnek olarak **ZPP0262** tcode'unu ele alalım  
SE93'den bakıyoruz.

**Display Report Transaction**

Transaction code	<b>ZPP0262</b>
Package	ZPP
Transaction text	IS YERİ AKTİVETE FORMULLERİ
Program	AQA0SYSTQV000035ZPP0262_NEW==
Selection screen	1000
Start with variant	
Authorization Object	<input type="button" value="Values"/>

**Classification**

Transaction classification

Professional User Transaction

Easy Web Transaction      Hizmet

Pervasive enabled

**GUI support**

SAPGUI for HTML

SAPGUI for Java

SAPGUI for Windows

IS YERİ AKTİVETE FORMULLERİ
AQA0SYSTQV000035ZPP0262_NEW==
1000

Seçili alanı alıyoruz ve **SQ01**'e gidiyoruz

**Sorgu Düzenle Git Ekler Ayarlar Ortam Sistem Yardım**

**Çalışma alanları**

**Kullanıcı grupları**

**Bilgi kümeleri**

**SAP sorusu**

**Dil karşılaştırması**

**Dizinler**

**Veri tabanı yapısı**

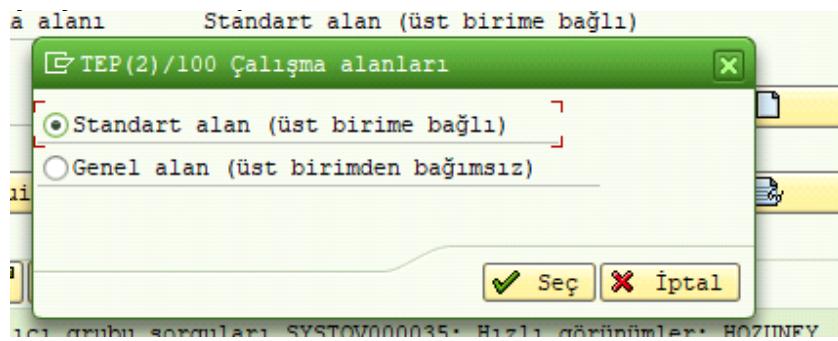
**Çalışma alanları Standart alan (üst biri)**

**Varyant ile**

**Çalışma alanı Standart alan (üst biri)**

**Sorgu Değiştir Yarat**

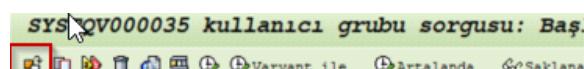
Çalışma alanları diyoruz.



**Standart alan**'ı seçiyoruz fakat bazen program adındaki **SYSTQV000035** ibaresini burada bulamayabiliriz.

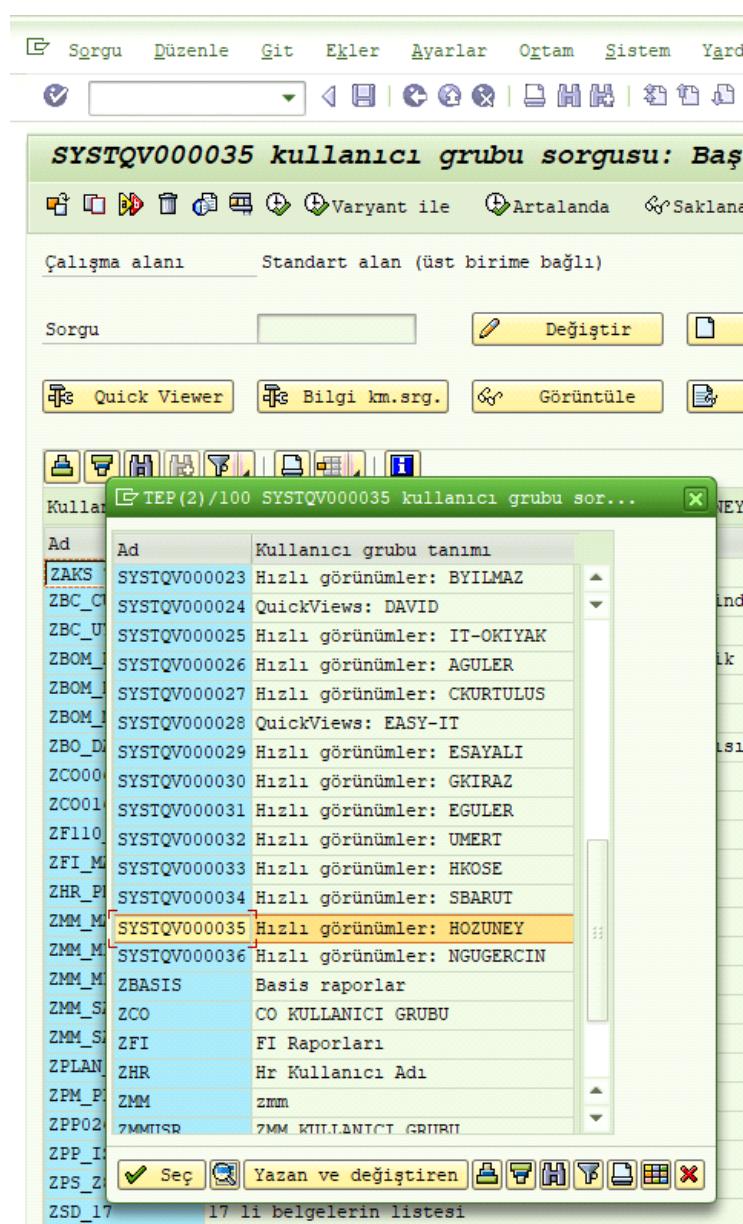
Böyle bir durumda da **Genel alan**'ı seçerek deniyoruz.

Karşımıza çıkan ekranda;



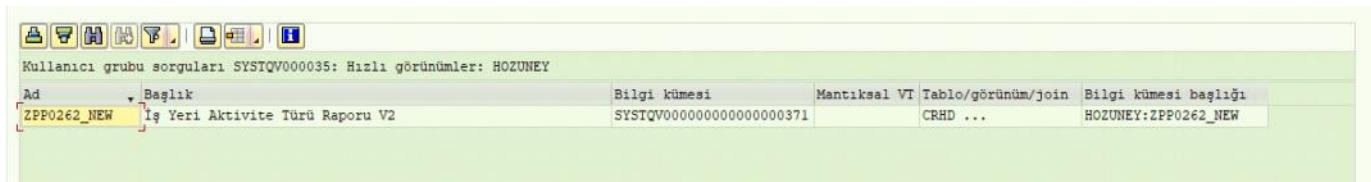
Kırmızı kutu içerisindeki butona basıyoruz ve kullanıcı grubu değiştirme işlemi yapıyoruz.

Bu örneğimizde bizim kullanıcı grubumuz: **SYSTQV000035**'tir.

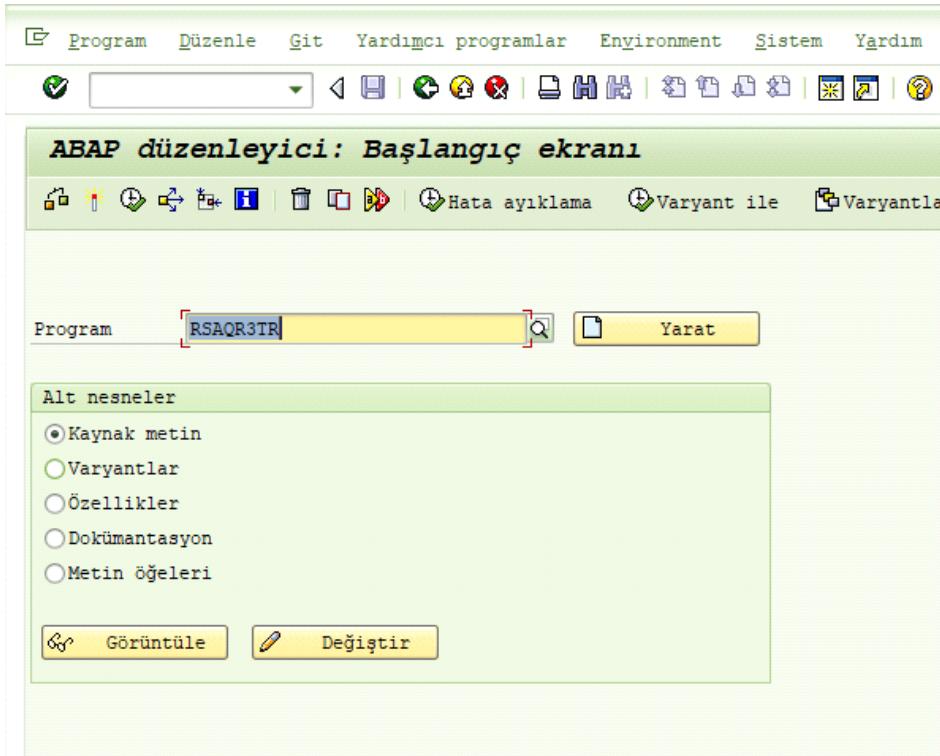


Yukarıdaki gibi karşımıza gelenler içinde kullanıcı grubumuzu bulup seçiyoruz.

Program adımızdaki kullanıcı grubu isminden sonraki gelen ismi yani **ZPP0262\_NEW** kısmını ekrana gelen verilerin ad kısmında filtreleyerek buluyoruz.

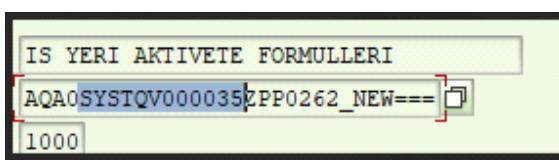


Sonra **SE38**'e gidiyoruz. **RSAQR3TR** bu programı çalıştırıyoruz.

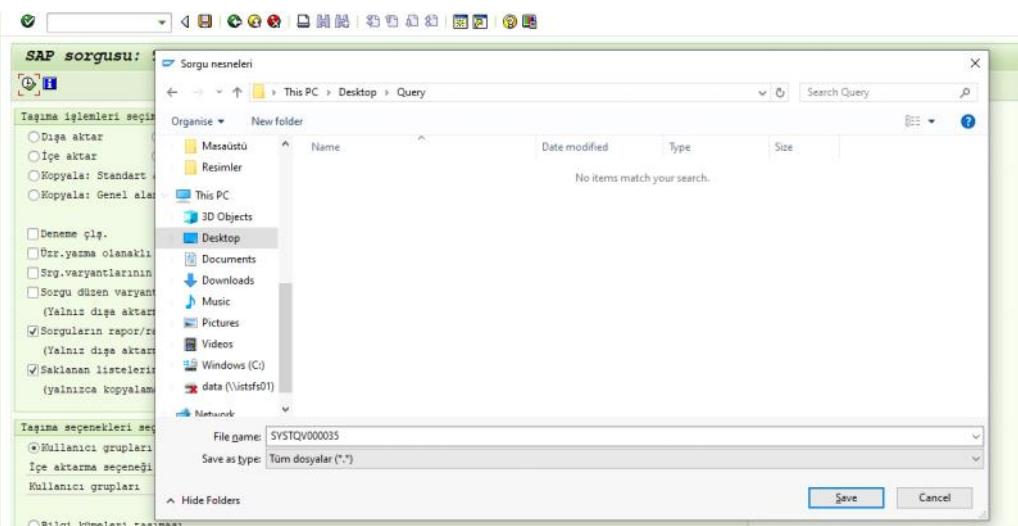
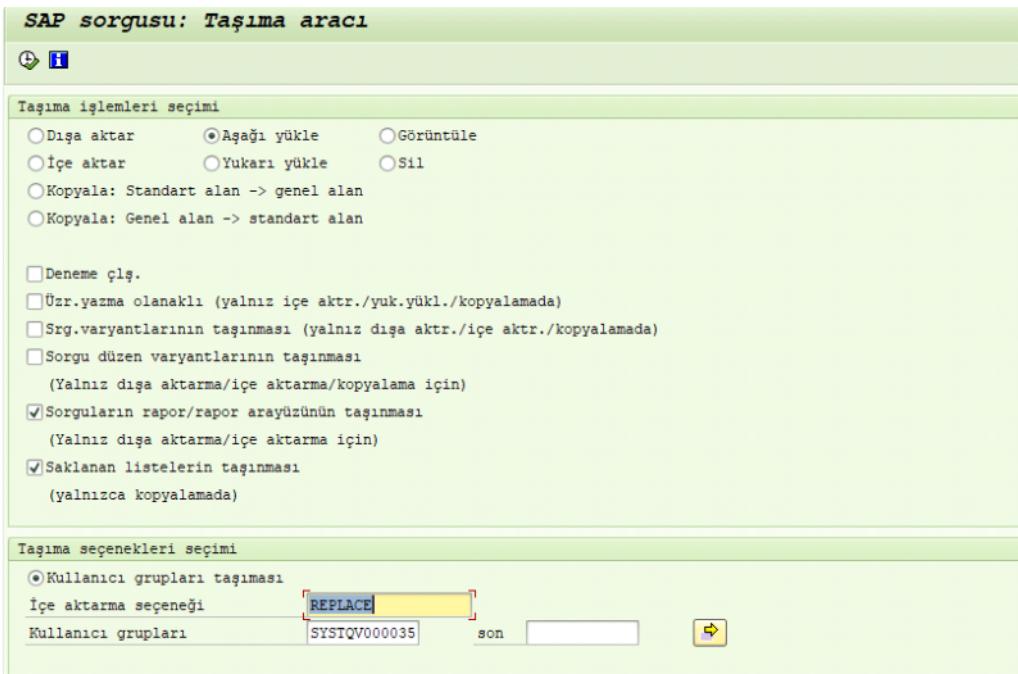


İlk olarak kullanıcı gruplarını taşıyoruz.

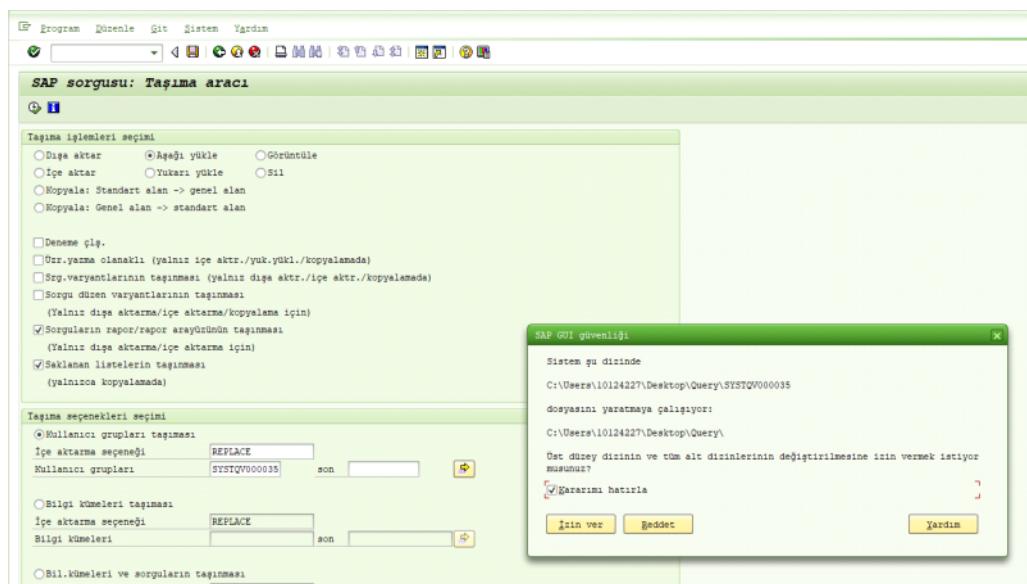
NOT: **Bil kümeleri ve sorguların taşınması** adımını yapmıyoruz.



Kullanıcı grubu bu tıkları atmayı unutmuyoruz.

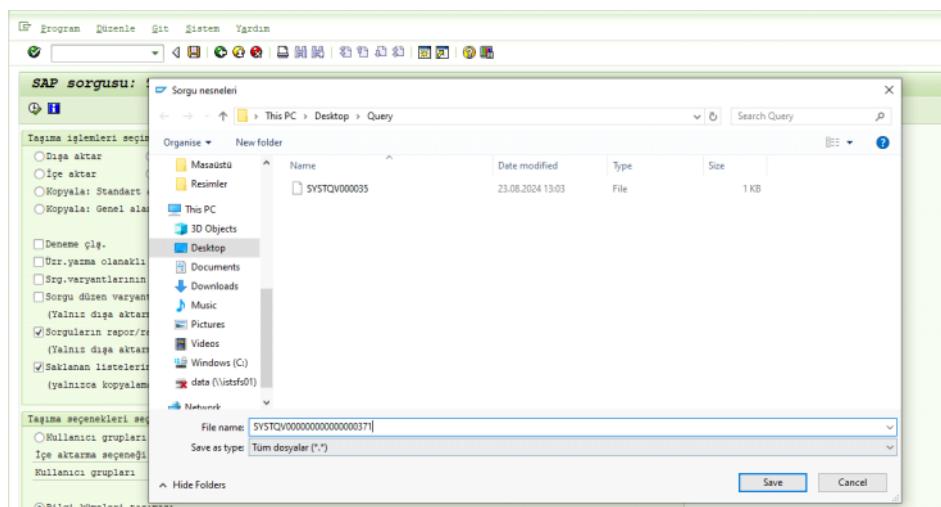
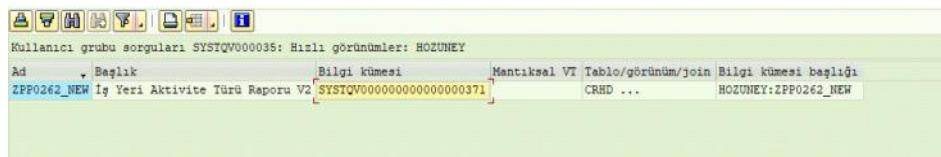


Aynı isimde kaydediyoruz.



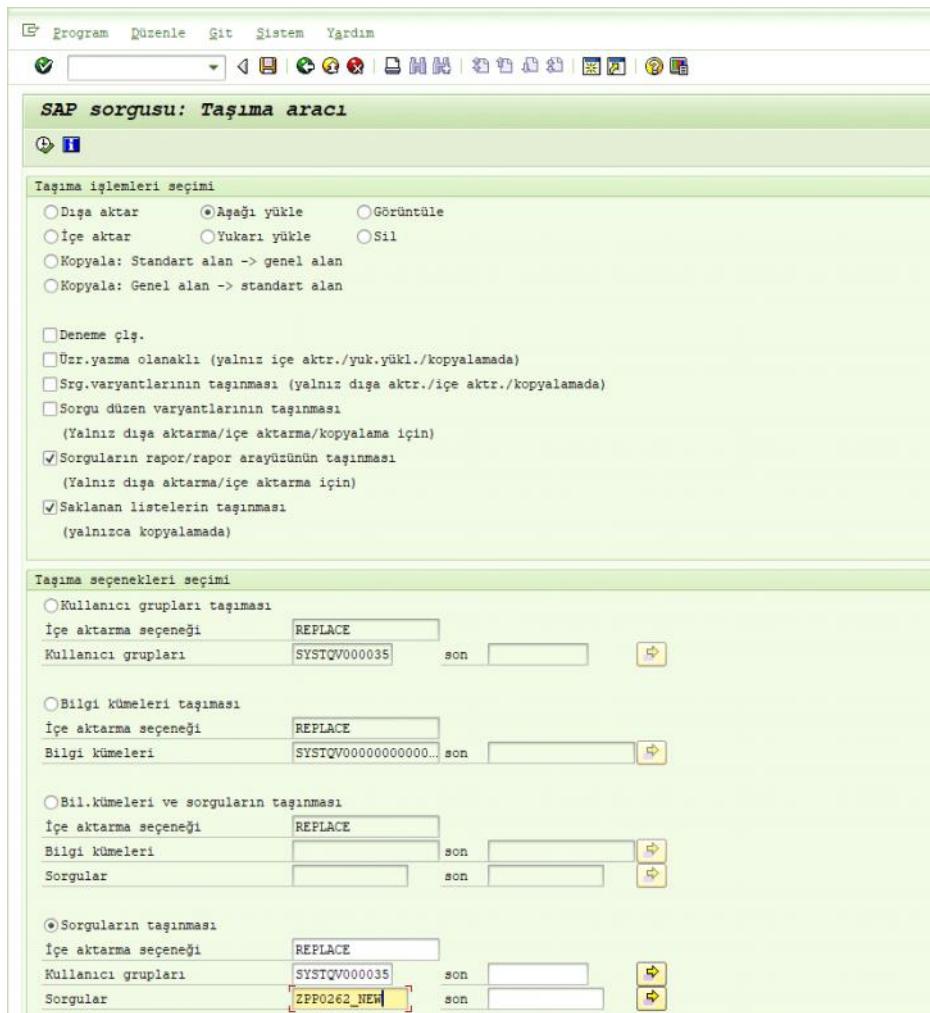
	Name	Date modified	Type	Size
k access	SYSTQV000035	23.08.2024 13:03	File	1 KB

Şimdi bilgi kümelerinde sıra

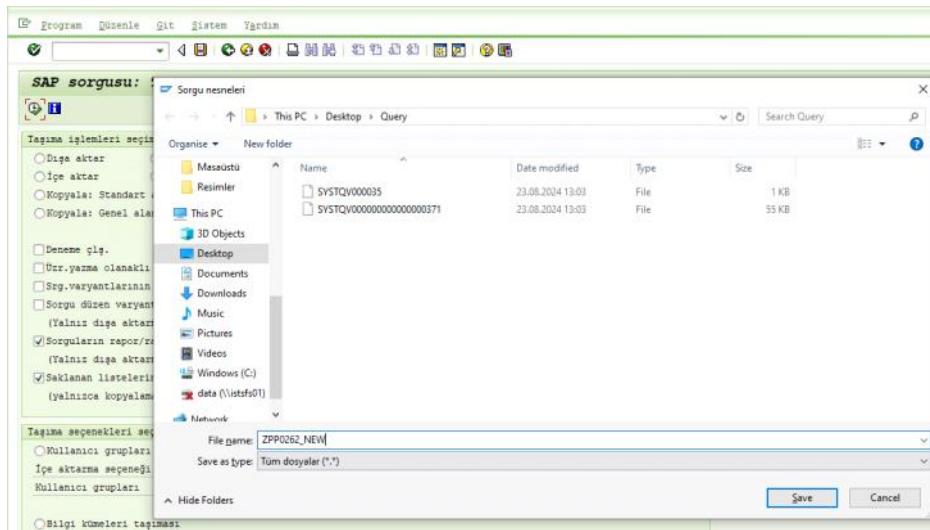


Aynı şekilde kaydetme işlemini yapıyoruz.

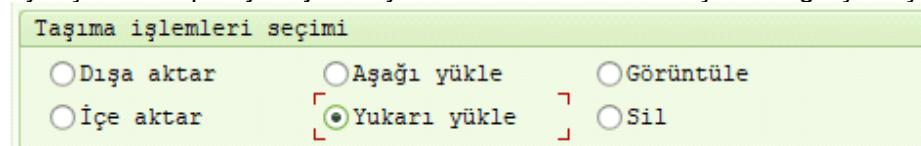
Sıra sorguda



Yürüttüp kaydediyoruz.



Aynı şekilde import yani yukarı yük ile HANA sistemde işlemleri gerçekleştiriyoruz.



Taşıma Seçenekleri Seçimi bölümündeki alanlar ise yine TEP sisteminde aşağı yükle işlemlerinde yapılan sıra ve adımlar gibi olmalıdır.

Örneğin kullanıcı grubunu aşağı yükleyiparken;

## SAP sorgusu: Taşıma aracı



### Taşıma işlemleri seçimi

- Dışa aktar       Aşağı yükle       Görüntüle  
 İçe aktar       Yukarı yükle       Sil  
 Kopyala: Standart alan -> genel alan  
 Kopyala: Genel alan -> standart alan

- Deneme çlg.  
 Üzr.yazma olanaklı (yalnız içe aktr./yük.yükl./kopyalamada)  
 Srg.varyantlarının taşınması (yalnız dışa aktr./içe aktr./kopyalamada)  
 Sorgu düzen varyantlarının taşınması  
(Yalnız dışa aktarma/içe aktarma/kopyalama için)  
 Sorguların rapor/rapor arayüzünün taşınması  
(Yalnız dışa aktarma/içe aktarma için)  
 Saklanan listelerin taşınması  
(yalnızca kopyalamada)

### Taşıma seçenekleri seçimi

- Kullanıcı grupları taşıması  
İçe aktarma seçeneği    
Kullanıcı grupları  son

Bu şekilde yapmıştık. Hana sistemde yukarı yükleyiparken tek fark yukarı yükley butonunun işaretli olmasıdır.

## HTTP client ile ilgili işlemler için örnek

Thursday, September 12, 2024 3:24 PM

```

METHOD get_tgt.
  DATA: url TYPE string,
        http_client TYPE REF TO if_http_client.
  DATA: response TYPE string,
        tgt_db TYPE zsd_enj_t_001,
        valid_date TYPE datum,
        valid_time TYPE uzeit.
  DATA lv_token TYPE string.
  DATA lt_form_fields TYPE tihhttpnvp.

  SELECT tgt, datum, uzeit
    FROM zsd_enj_t_001
   WHERE ernam EQ @sy-username AND
         status_code NE '400' AND
         bukrs EQ @lv_bukrs "---->09.08.2022
  ORDER BY datum DESCENDING, uzeit DESCENDING
  INTO TABLE @DATA(last_tgts)
  UP TO 1 ROWS.

  * IF sy-subrc EQ 0.
  *   "Geçerli TGT süresi 45 dakika"
  *
  * DATA(last_tgt) = last_tgts[ 1 ]-tgt.
  * DATA(last_date) = last_tgts[ 1 ]-datum.
  * DATA(last_time) = last_tgts[ 1 ]-uzeit.
  *
  * CALL FUNCTION 'CATT_ADD_TO_TIME'
  *   EXPORTING
  *     idate = last_date
  *     itime = last_time
  *     stdat = tgt_hours
  *   IMPORTING
  *     edate = valid_date
  *     etime = valid_time.
  *
  * DATA(concat_now) = sy-datum && sy-uzeit.
  * DATA(concat_valid) = valid_date && valid_time.
  *
  * IF concat_now LT concat_valid.
  *   cv_subrc = 'S'.
  *   rv_tgt = last_tgt.
  * ELSE.
  *   cv_subrc = 'E'.
  * ENDIF.
  * ENDIF.

  IF rv_tgt IS INITIAL.
    *get_user_info( )."-->14.07.2022
    "URL BURADAKI GET_USER_INFO KALKACAK 049 TABLOSUNDAN SIFRE KULLANICI ADI BIL
  GISI ALNACAK URL VERİLECEK -->14.07.2022
  SELECT SINGLE sap_user, password, username
    FROM zsd_enj_t_049
   WHERE bukrs EQ @lv_bukrs
     AND sap_user EQ @sy-username
   INTO @DATA(ls_enj049).

  SELECT SINGLE service_name FROM zsd_enj_t_
  041 INTO @DATA(lv_service)"username, password,
  WHERE system_id = @sy-sysid.

  * url = create_url( url = ls_service-
  service_name service_type = '1' username = ls_service-username password = ls_service-
  password ).
  * url = create_url( url = lv_service service_type = '1' username = username passwo
  rd = password ).
  url = create_url( url = lv_service service_type = '1' username = ls_enj049-
  username password = ls_enj049-password ).

  "begin:code bazinda degisen url olarak ayarlandi.TGT kodunu almak icin yeni düzenlen-
  OELMACI-06.09.2024,12.09.2024

  IF sy-tcode EQ 'ZSD_ENJ_254' or ( sy-batch is NOT INITIAL and sy-
  cprog eq 'ISD_EPLAS053' ).
    CLEAR url.
    url = create_url( url = 'https://giris.eplas.com.tr/cas/v1/tickets?
  format=text/plain' service_type = '1' username = 'cykurali@dilerhild.com' password = 'At1
  as1542*' ).
  ENDIF.

  "end:code bazinda degisen url olarak ayarlandi.TGT kodunu almak icin yeni düzenlen-
  OELMACI-06.09.2024,12.09.2024

  cl_http_client->create_by_url(
    EXPORTING
      url = url
    IMPORTING
      client = http_client
    EXCEPTIONS
      argument_not_found = 1
      plugin_not_active = 2
      internal_error = 3
      OTHERS = 4 .
  IF sy-subrc <> 0.
    RETURN.
  ENDIF.

  http_client->request->set_method( 'POST' ).
  http_client->request->set_content_type( 'application/x-www-form-urlencoded' ).
  http_client->request->set_content_type( 'application/json' ).
  http_client->request->set_header_field(
    name = if_rest_request->gc_header_csrftoken
    value = 'Fetch' ) ##no_text.

  http_client->request->set_header_field( name = 'Connection' value = 'keep-
  alive' ).

  http_client->send(
    EXCEPTIONS
      http_communication_failure = 1
      http_invalid_state = 2
      http_processing_failed = 3 ).

  http_client->receive(
    EXCEPTIONS
      http_communication_failure = 1
      http_invalid_state = 2
      http_processing_failed = 3 ).

  response = http_client->response->get_cdata( ).

  response = condense( response ).

  http_client->response->get_cookies( CHANGING cookies = et_cookies ).
  lv_token = http_client->response->get_header_field('X-CSRF-Token').

  DATA(lv_xresult) = http_client->response->get_data( ). "xstring result

  http_client->response->get_form_fields( CHANGING fields = lt_form_fields ).
  http_client->response->get_header_fields( CHANGING fields = et_header_fields ).

  http_client->close(
    EXCEPTIONS
      http_invalid_state = 1
      OTHERS = 2
  ).

  "begin:TGT kodunu almak icin yeni düzenlen-OELMACI-12.09.2024
  IF sy-tcode EQ 'ZSD_ENJ_254' or ( sy-batch is NOT INITIAL and sy-
```

Metodun parametreleri:

Parameter	Type	P... O...	Type Method	Associated Type	Default Value	Description
ET_WORRS	Importing	<input type="checkbox"/>	Type	BURRS		Sıklet Kodu
ET_HEADER_FIELDS	Exporting	<input type="checkbox"/>	Type	TINTTSPWVP		HTTP Framework (HTTP) Table Name/Value
ET_COOKIES	Exporting	<input type="checkbox"/>	Type	TINTTSPCKI		HTTP Framework (HTTP) Table Cookies
CV_WBEC	Changing	<input type="checkbox"/>	Type	RFIELD		Segmen tutarlı
SY_VST	Returning	<input checked="" type="checkbox"/>	Type	TEXT132		TGT Kodu

```

cprog eq 'ZSD_ENERJI_053' ..
DATA: lv_tgt TYPE text132.
CLEAR: lv_tgt.
READ TABLE et_header_fields INTO DATA(ls_header_fieds) WITH KEY name = 'location'.
n'.
IF sy-subrc IS INITIAL.
  SPLIT ls_header_fieds-value AT '/' INTO TABLE DATA(lt_splitted_location).
  lv_tgt = lt_splitted_location[ lines( lt_splitted_location ) ].
ENDIF.
CLEAR: ls_header_fieds.
READ TABLE et_header_fields INTO ls_header_fieds WITH KEY name = '-status_code'.
." ~status_code.
  IF ls_header_fieds-value EQ '200' OR ls_header_fieds-
value EQ '201' AND lv_tgt is NOT INITIAL.
    cv_subrc = 'S'.
  ELSE.
    cv_subrc = 'E'.
  ENDIF.
  tgt_db-tgt = lv_tgt.
  tgt_db-datum = sy-datum.
  tgt_db-uzelit = sy-uzelit.
  IF cv_subrc NE 'E'.
    tgt_db-status_code = ls_header_fieds-value .
  ELSE.
    tgt_db-status_code = '400' .
  ENDIF.
  tgt_db-ernam = sy-uname .
  tgt_db-tcode = sy-tcode .
  tgt_db-username = username.
  tgt_db-password = password.
  tgt_db-bukrs = iv_bukrs.
  MODIFY zsd_enj_t_e001 FROM tgt_db.
  COMMIT WORK.
  rv_tgt = lv_tgt.

ELSE.
  "end:TGT kodunu almak için yeni düzenlen-OELMACI-12.09.2024
  READ TABLE et_header_fields INTO ls_header_fieds WITH KEY name = '-status_code'.
." ~status_code.
  IF ls_header_fieds-value EQ '200' OR ls_header_fieds-
value EQ '201' AND response(3) EQ 'TGT'.
    cv_subrc = 'S'.
  ELSE.
    cv_subrc = 'E'.
  ENDIF.
  tgt_db-tgt = response.
  tgt_db-datum = sy-datum.
  tgt_db-uzelit = sy-uzelit.
  IF cv_subrc NE 'E'.
    tgt_db-status_code = ls_header_fieds-value .
  ELSE.
    tgt_db-status_code = '400' .
  ENDIF.
  tgt_db-ernam = sy-uname .
  tgt_db-tcode = sy-tcode .
  tgt_db-username = username.
  tgt_db-password = password.
  tgt_db-bukrs = iv_bukrs.
  MODIFY zsd_enj_t_e001 FROM tgt_db.
  COMMIT WORK.
  rv_tgt = response.
  ENDIF.
ENDIF.
ENDMETHOD.
```

# CC02 işlem kodu screen exit

Wednesday, October 16, 2024 2:33 PM

Have added custom fields to table AENR (CI\_AENR).

2. Created project CMOD for 'PCCD0001' and enhance following screen exit.

SAPMC29C 0010 CUSAENR1 SAPLXCCA 1000

From <<https://community.sap.com/t5/application-development-discussions/adding-custom-fields-using-screen-exit-for-transaction-cc01-cc02/m-p/11169172>>

# Enhancement'ın CMOD üzerinden hangi projede kullanıldığını anlama

Wednesday, October 16, 2024 2:34 PM

Check out **MODACT** table and give the enhancement name in the member to know project name....

From <<https://community.sap.com/t5/application-development-discussions/cmod-how-do-i-find-out-which-project-has-my-enhancement-component/td-p/3777265>>

## 2 haneli dili tek haneye dönüştürme

Wednesday, October 30, 2024 5:57 PM

CONVERSION\_EXIT\_ISOLA\_INPUT

From <<https://community.sap.com/t5/application-development-discussions/want-to-knw-one-letter-for-language-keys/mp/3182071>>

# Hızlıca tabloyu ALV'ye dökme işlemi

Wednesday, November 13, 2024 5:39 PM

DATA: GT\_SFLIGHT TYPE TABLE OF SFLIGHT.

```
SELECT * FROM SFLIGHT INTO TABLE GT_SFLIGHT.
```

```
CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'  
  EXPORTING  
    I_STRUCTURE_NAME = 'SFLIGHT'  
  TABLES  
    T_OUTTAB      = GT_SFLIGHT.
```

<https://community.sap.com/t5/application-development-discussions/how-do-we-display-internal-table-data-into-alv-in-a-fast-way/td-p/4767380>

# FAGLLO3H ek alan ekleme işlemleri

Wednesday, November 13, 2024 5:44 PM

<https://community.sap.com/t5/enterprise-resource-planning-blogs-by-members/how-to-extend-transaction-fagllo3h-with-custom-fields/ba-p/13467576>

<https://me.sap.com/notes/2512883>

## HDBVIEWS

Kaynak <<https://community.sap.com/t5/enterprise-resource-planning-blog-posts-by-members/how-to-extend-transaction-fagllo3h-with-custom-fields/ba-p/13467576>>

# FAGLL03 ek alan

Wednesday, November 13, 2024 5:48 PM

While working with Tax teams, there are certain frequent requests on SAP data that come up, for which the answer is not as easy as you think it might be.

One such request is to ‘add a few additional fields’ to the standard G/L line item report or Customer/Vendor open items report.

It is a simple enough task if you can find those fields listed in the field catalogue in the report layout. All you’ve got to do is unhide them and save the layout for use by the tax team, and you are good to go.

However, *what if the field catalogue does not have the fields being requested?*

With a few steps including some SAP configuration, you can get those extra fields that you require.

Let us see how.

For this article, we will restrict our discussion to the G/L line item report.

Take a moment to look at the standard output from the FBL3N report ->

G/L Account Line Item Display											
Goods Received / Invoice Received											
St	Assignment	DocumentNo	BusA	Type	Doc..Date	PK	Amount in Local Crcy	LCurr	Tx	Clrng doc.	Text
	450000008900010	5000000002	WE	14.09.2019	96	570,00-	AUD				
	450000008900010	5100000000	RE	17.09.2019	86	570,00	AUD	P1			
	450000008900010	5100000002	RE	17.09.2019	96	570,00-	AUD	P1			
	450000008900010	5100000003	RE	17.09.2019	86	570,00	AUD	P1			
	450000009000010	5000000003	WE	14.09.2019	96	600,00-	AUD				
	450000009000010	5100000001	RE	27.09.2019	86	600,00	AUD	P1			
	450000009100010	5000000004	WE	14.09.2019	96	750,00-	AUD				
	450000009100010	5100000004	RE	17.09.2019	86	750,00	AUD	P1			
	450000009200010	5000000005	WE	13.01.2020	96	100,000,00-	AUD				
	450000009200010	5100000005	RE	13.01.2020	86	100,000,00	AUD	P1			
	450000009300010	5000000006	WE	16.01.2020	96	100,000,00-	AUD				
	450000009300010	5100000006	RE	16.01.2020	86	100,000,00	AUD	P1			
	450000009400010	5100000007	RE	17.01.2020	86	2.400,00	AUD	P1			
*						800,00	AUD				
** Account 211200						800,00	AUD				

Notice that the barebones report doesn’t show much.

You might notice that you are missing items like –

1. Vendor information
2. Tax base amount
3. Tax amount

4. Tax base and tax amount in local currency
5. VAT registration number

And these are just a few of the columns that might be useful from a tax point of view. Let us see how we can enhance this report and make it better.

**First, consider the easier case** – say, we are dealing with a client on S4/HANA or one that is using New G/L.

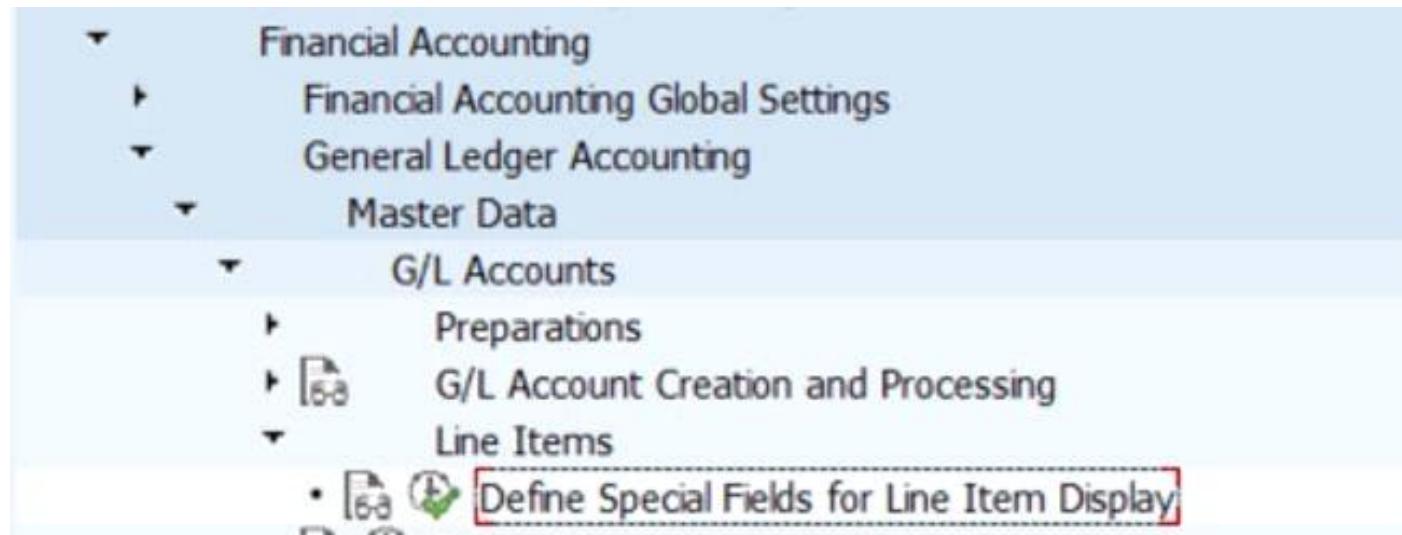
For such clients, the g/l line item display would be obtained via either FAGLL03 or FAGLL03H transactions.

Let's say I need to pull out the following information from the accounting document segment table -

- a. BSEG-FWBAS (Tax base amount)
- b. BSEG-HWBAS (Tax base in document currency)
- c. BSEG-STCEG (VAT registration number)
- d. BSEG-STTAX (Statistical tax amount in document currency)
- e. BSEG-WMWST (Tax Amount)

The first task is to add these fields as 'special fields' for the g/l line item display. This is a configuration within SAP.

To perform the configuration, go to ***IMG->Financial Accounting->General Ledger Accounting->Master Data->G/L accounts->Line Items->Define Special Fields for Line Item Display.***



Select 'New Entries' and add the fields that you require –

## Change View "Special Fields: Line Layout Variants in GL Accounting".



### Special Fields: Line Layout Variants in GL Accounting

Table	Field Name	Field Label
BSEG	FWBAS	Tax Base Amount
BSEG	HWBAS	LC Tax Base
BSEG	STCEG	VAT Registration No.
BSEG	STTAX	Statistical Tax Amount in Document Crcy
BSEG	WMWST	Tax Amount

Save this change as a workbench request.

In the case of FAGLL03, the story ends here.

All you do now is execute the report, select the option to change the layout and you will find the new fields available for selection ->

The screenshot shows the SAP Fiori Change Layout interface for report FAGLL03. On the left, there is a table titled 'Line 1' with columns for 'Column content', 'Pos.', 'Length', and a sum icon. The table lists various document fields like Cleared/Open Items Symbol, Assignment, Document Number, etc. On the right, there is a 'Hidden fields' table with columns for 'Content' and 'Length'. This table lists the same fields as the main table but with different lengths. Between the two tables are four yellow navigation buttons: a double arrow at the top, a single right arrow below it, a single left arrow below that, and a double left arrow at the bottom. Below the hidden fields table is a row of icons: a green checkmark, a blue copy symbol, a blue circular arrow, a yellow circular arrow, and a red X. At the bottom of the interface, there are two input fields: 'Line width' and 'List Width', both set to 164. There are also two sets of small icons above these fields.

To the more technically inclined, the basic structure in use for report FAGLL03 is FAGLPOSX.

Based on the customization entries, the system generates the structure FAGLPOSYEXT.

Within SE11, you can see these new fields that were added in the

customization (they will be denoted with components starting with 'U\_')

The screenshot shows the SAP Dictionary: Display Structure interface. The structure name is FAGLPOSYEXT, which is marked as Active. A short description states: ## AUTOMATICALLY GENERATED. DO NOT CHANGE OR RE-USE ! ##. The table below lists the components:

Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description
U_FWBAS	1 Types	FWBAS	CURR	23	2	Tax Base Amount in Document Currency
U_HWBAS	1 Types	HWBAS	CURR	23	2	Tax Base Amount in Local Currency
U_STCEG	1 Types	STCEG	CHAR	20	0	VAT Registration Number
U_STTAX	1 Types	STTAX	CURR	13	2	Tax Amount as Statistical Information in Document Currency
U_WMWST	1 Types	WMWST	CURR	23	2	Tax Amount in Document Currency

**Second, let's consider the more difficult case of the FBL3N report (or shall we say FBL\*N – as these changes will apply to all line item reports – G/L, vendor, customer)**

Before we look at this report, here is the technical aspect of it ->

1. The structure is RFPOSX.
2. Based on the configuration, the system generates the structure RFPOSXEXT which is used for the report display.

It may so happen that merely maintaining the customization entry in IMG will not enable you to view the added fields in FBL\*N reports.

In such a scenario, SAP recommends performing the below procedure ->

#### **Step 1 – Add fields to RFPOSX structure**

- Navigate to the transaction SE11
- Enter structure RFPOSX
- Click on display
- Click on 'Append Structure'

## Dictionary: Display Structure

Structure RFPOSX Active  
Short Description Line Item Data: RFPOS with Longer Amount Fields

Attributes Components Input Help/Check Currency/quantity fields

Append for RFPOSX

Object Name	Status	Short text
/SAPF15/RFPOSX_APPEND	Active	
FDM_AR_RFPOSX	Active	FSCM-DM: Enhancemt of Line Item Disp. with Dispute Case ..
OILRFPOSX	New	IS-Oil Downstream Enhancements to RFPOSX
REPR_RFPOSX	Active	

- From the pop-up, select the object name /SAPF15/RFPOSX\_APPEND
- Then click on the 'Create' icon as shown above.
- Give a name to the addendum that you are going to create – let's say a Z\* name like so ->

## Dictionary: Change Append Structure

Append Structure ZAU\_FBLNFIELDS New(Revised)  
Short Description Updated fields for FBL\*N reports

Attributes Components Input Help/Check Currency/quantity fields

Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description
						0

- Now add the components you require (make sure you create them in the customer namespace, i.e. Z\*)->

## Dictionary: Change Append Structure

Append Structure ZAU\_FBLNFIELDS New  
Short Description Updated fields for FBL\*N reports

Attributes Components Input Help/Check Currency/quantity fields

Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description
ZZFWBAS	1 Types	▼ FWBAS	CURR	23		2 Tax Base Amount in Document Currency
ZZHWBAS	1 Types	▼ HWBAS	CURR	23		2 Tax Base Amount in Local Currency
ZZSTCEG	1 Types	▼ STCEG	CHAR	20		0 VAT Registration Number
ZZSTTAX	1 Types	▼ STTAX	CURR	13		2 Tax Amount as Statistical Information in Document Currency
ZZWMWST	1 Types	▼ WMWST	CURR	23		2 Tax Amount in Document Currency

- Next, make sure you provide a reference table and field for these components. Do this by selecting the 'currency/quantity' tab and then provide the table and field details like so ->

**Dictionary: Change Append Structure**

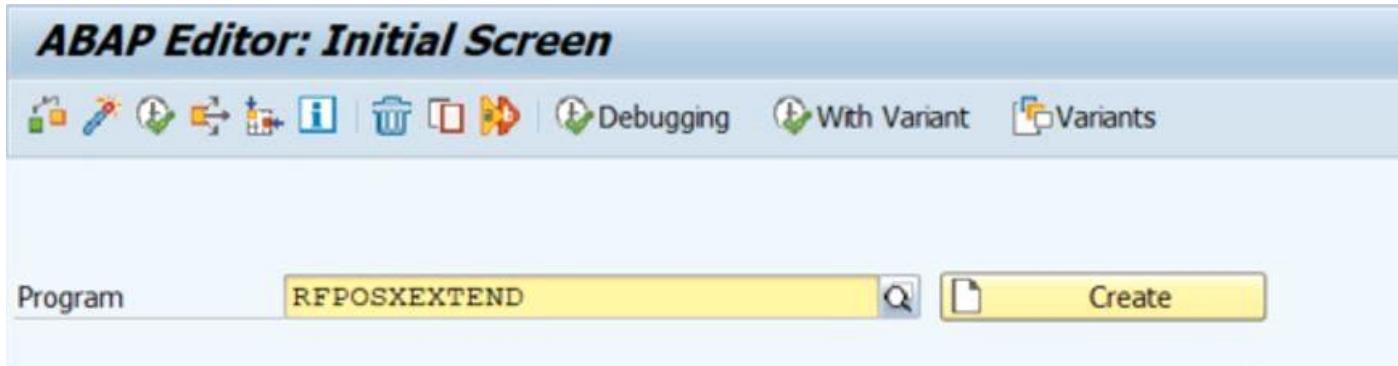
The screenshot shows the SAP Dictionary interface for changing append structures. The title bar says 'Dictionary: Change Append Structure'. The main area shows a table titled 'Append Structure' with one row selected: 'ZAU\_FBLNFIELDS' (New(Revised)). Below the table, there are tabs: 'Attributes', 'Components', 'Input Help/Check', and 'Currency/quantity fields'. The 'Currency/quantity fields' tab is active. The table has columns: Component, Typing Method, Component Type, Data Ty..., Reference table, Ref. field, and Short Description. The data rows are:

Component	Typing Method	Component Type	Data Ty...	Reference table	Ref. field	Short Description
ZZFBAS	1 Types	▼ FWBAS	CURR			Tax Base Amount in Document Currency
ZZHWBAS	1 Types	▼ HWBAS	CURR			Tax Base Amount in Local Currency
ZZSTCEG	1 Types	▼ STCEG	CHAR			VAT Registration Number
ZZSTTAX	1 Types	▼ STTAX	CURR			Tax Amount as Statistical Information in Document Currency
ZZWMWST	1 Types	▼ WMWST	CURR			Tax Amount in Document Currency

- Finally, save the structure, and activate it by clicking on the 'activate' button in the menu.

## Step 2 – Extend the new custom fields to the FBL\*N display structure.

- Navigate to transaction SE38
- Execute the program RFPOSXEXTEND



- Navigate now to SE11
- Enter structure name RFPOSXEXT
- You will now be able to see your custom fields in the structure ->

## Dictionary: Display Structure

The screenshot shows the SAP Dictionary: Display Structure interface. At the top, there are icons for file operations (New, Open, Save, etc.) and menu items: Hierarchy Display and Append Structure... Below the menu is a toolbar with icons for search, refresh, and other functions. The main area displays a table of fields for structure RFPOSXEXT. The table has columns: Component, Typing Method, Component Type, Data Type, Length, Decim..., and Short Description. A total count of 170 fields is shown at the top right. The table rows include:

Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description
STAT_ORDERNO_TE	1 Types	▼ FDM_STAT_ORDERN	CHAR	40	0	Status of Dispute Case
CDIS_BELNR	1 Types	▼ FDM_CDIS_BELNR	CHAR	10	0	Related Invoice Is Customer-Disputed
PROPMANO	1 Types	▼ REHORECNNRM	CHAR	13	0	Mandate, Mandate-Opening Contract
ZZFWBAS	1 Types	▼ FWBAS	CURR	23	2	Tax Base Amount in Document Currency
ZZHWBAS	1 Types	▼ HWBAS	CURR	23	2	Tax Base Amount in Local Currency
ZZSTCEG	1 Types	▼ STCEG	CHAR	20	0	VAT Registration Number
ZZSTTAX	1 Types	▼ STTAX	CURR	13	2	Tax Amount as Statistical Information in Document Currency
ZZWMWST	1 Types	▼ WMWST	CURR	23	2	Tax Amount in Document Currency

### Step 3 – Execute the BALVBUFDEL report to refresh the ALV buffer

- Navigate to transaction SE38
- Execute the program BALVBUFDEL. There are no other selection screens.
- This is a recommended step to be done in your SAP system once you have made a change to the structure.

Now simply run the FBL3N report and click on the 'change layout' option. You will be able to see the new fields that you configured earlier ->

## G/L Account Line Item Display

The screenshot shows the SAP G/L Account Line Item Display configuration interface. On the left, there's a table for 'Line 1' with columns for 'Content', 'Pos.', 'Length', and 'Content'. The table includes rows for various document fields like Cleared/Open Items Symbol, Assignment, Document Number, etc. Below the table are two input fields: 'Line width' set to 159 and 'List Width' also set to 159. On the right, there's a 'Hidden fields' panel listing fields like Tax Base Amount, LC Tax Base, VAT Registration No., and Statistical Tax Amount in Docu. 16, each with a length of 30. There are also navigation buttons (Up, Down, Left, Right) and a toolbar at the bottom with icons for Copy, Paste, and Delete.

Column content	Pos.	Length	Content
Cleared/Open Items Symbol	1	2	Tax Base Amount
Assignment	2	18	LC Tax Base
Document Number	3	10	VAT Registration No.
Business Area	4	4	Statistical Tax Amount in Docu. 16
Document type	5	8	Tax Amount
Document Date	6	10	
Posting Key	7	2	
Amount in Local Currency	8	20	
Local Currency	9	5	
Tax Code	10	2	
Clearing Document	11	10	
Text	12	50	

Line width: 159

List Width: 159

Hidden fields:

Content	Length
Tax Base Amount	30
LC Tax Base	30
VAT Registration No.	20
Statistical Tax Amount in Docu. 16	
Tax Amount	30

Buttons: Up, Down, Left, Right, Copy, Paste, Delete.

That's it. Hope this helps teams trying to figure out how to meet report requests from your tax teams.

From <<https://www.linkedin.com/pulse/enhancing-sap-fblnfagll03-reports-sidharth-jyothi>>

<https://itsabaper.blogspot.com/2018/01/need-to-add-column-in-faglb03-or.html>

# FI doğrulama ve ikame

Thursday, November 14, 2024 5:18 PM

GGB0 dan önkoşul ve kontrol yazılır

GS01'den de küme yaratılır

## RESTFUL API -> Field ismini değiştirip veri atama

Friday, November 15, 2024 10:13 AM

```
METHOD get_gop_block_new.

DATA: lv_json          TYPE string,
      lv_http_client   TYPE REF TO if_http_client,
      lv_create_url    TYPE string,
      lv_emptybuffer   TYPE xstring VALUE IS INITIAL,
      lv_result         TYPE string,
      lv_http_status_code_at  TYPE i,
      lv_status_text_at  TYPE string,
      lv_response        TYPE string,
      lv_date_diff       TYPE i,
      lv_date            TYPE datum,
      headers           TYPE tihttpnvp.

DATA: ls_data  TYPE zsd_enj_s_gop.

CONSTANTS: lc_url  TYPE string VALUE 'https://seffaflik.epias.com.tr/electricity-service/v1/markets/dam/data/amount-of-block-buying'.

lv_date_diff = ( iv_enddate - iv_startdate ).

ADD 1 TO lv_date_diff.

lv_date = iv_startdate.

DO lv_date_diff TIMES.

  WAIT UP TO 1 SECONDS.

DATA(v_start) = lv_date+0(4) && '-' && lv_date+4(2) && '-' && lv_date+6(2) && 'T00:00:00+03:00'.
DATA(v_enddate) = lv_date+0(4) && '-' && lv_date+4(2) && '-' && lv_date+6(2) && 'T00:00:00+03:00'.

DATA(v_json) = '{"endDate": "'{ v_enddate }','"startDate": "'{ v_start }'| && '}'.

CALL METHOD cl_http_client->create_by_url
  EXPORTING
    url          = lc_url
  IMPORTING
    client        = lv_http_client
  EXCEPTIONS
    argument_not_found = 1
    plugin_not_active = 2
    internal_error    = 3
    OTHERS             = 4.

CALL METHOD lv_http_client->request->set_data
  EXPORTING
    data = lv_emptybuffer.

REFRESH headers.

APPEND INITIAL LINE TO headers REFERENCE INTO DATA(header).
header->name = 'Accept'.
header->value = 'application/json'.

APPEND INITIAL LINE TO headers REFERENCE INTO header.
header->name = 'Content-Type'.
header->value = 'application/json'.

APPEND INITIAL LINE TO headers REFERENCE INTO header.
header->name = 'TGT'.
header->value = iv_tgt.

APPEND INITIAL LINE TO headers REFERENCE INTO header.
header->name = 'Accept-Language'.
header->value = 'en'.

lv_http_client->request->set_method( 'POST' ).
lv_http_client->request->append_cdata( v_json ).
lv_http_client->request->set_header_fields( fields = headers[] ).
lv_http_client->propertytype_accept_cookie = if_http_client->co_enabled.

CALL METHOD lv_http_client->send
  EXCEPTIONS
    http_communication_failure = 1
    http_invalid_state         = 2.

CALL METHOD lv_http_client->receive
  EXCEPTIONS
    http_communication_failure = 1
    http_invalid_state         = 2
    http_processing_failed     = 3.
```

```

CALL METHOD lv_http_client->response->get_status
IMPORTING
  code   = lv_http_status_code_at
  reason = lv_status_text_at.

IF lv_http_status_code_at = '200'.

  CALL METHOD lv_http_client->response->get_cdata
  RECEIVING
    data = lv_result.

  lv_http_client->close(
    EXCEPTIONS
      http_invalid_state = 1
      OTHERS              = 2 ).

REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsMatchedBlock'           IN lv_result WITH 'amountOfPurchasingTowar
dsMatch'.
REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsUnMatchedBlock'          IN lv_result WITH 'amountOfPurchasingTowar
dsUnMat'.
REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsMatchedBlockTotals'       IN lv_result WITH 'aopTowardsMatchedBlockT
otals'.
REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsUnMatchedBlockTotals'     IN lv_result WITH 'aopTowardsUnMatchedBlo
kTotals'.

CALL METHOD /ui2/cl_json=>deserialize
EXPORTING
  json        = lv_result
  pretty_name = /ui2/cl_json=>pretty_mode-user
  assoc_arrays = abap_true
CHANGING
  data        = ls_data.

SORT ls_data-items BY date_time.

MOVE-CORRESPONDING ls_data-items TO es_data-items.

ENDIF.

ADD 1 TO lv_date.

ENDDO.

DATA: lv_json_2          TYPE string,
      lv_http_client_2  TYPE REF TO if_http_client,
      lv_create_url_2   TYPE string,
      lv_emptybuffer_2  TYPE xstring VALUE IS INITIAL,
      lv_result_2        TYPE string,
      lv_http_status_code_at_2  TYPE i,
      lv_status_text_at_2  TYPE string,
      lv_response_2       TYPE string,
      lv_date_diff_2      TYPE i,
      lv_date_2            TYPE datum,
      headers_2           TYPE tihtppnvp.

DATA: ls_data_2  TYPE zsd_enj_s_gop.

CLEAR: v_start, v_enddate, v_json, header.

CONSTANTS: lc_url_2  TYPE string VALUE 'https://seffaflik.epias.com.tr/electricity-service/v1/markets/dam/data/amount-of-block-selling'.

lv_date_diff_2 = ( iv_enddate - iv_startdate ).

ADD 1 TO lv_date_diff_2.

lv_date_2 = iv_startdate.

DO lv_date_diff_2 TIMES.

  WAIT UP TO 1 SECONDS.

  v_start   = lv_date_2+0(4)  && '-' && lv_date_2+4(2)  && '-' && lv_date_2+6(2)  && 'T00:00:00+03:00'.
  v_enddate = lv_date_2+0(4)  && '-' && lv_date_2+4(2)  && '-' && lv_date_2+6(2)  && 'T00:00:00+03:00'.

  v_json = '{"&& "endDate":'{ v_enddate }","startDate":'{ v_start }| && '}'.

  CALL METHOD cl_http_client=>create_by_url
  EXPORTING
    url          = lc_url_2
  IMPORTING
    client        = lv_http_client_2
  EXCEPTIONS
    argument_not_found = 1

```

```

plugin_not_active = 2
internal_error = 3
OTHERS = 4.

CALL METHOD lv_http_client_2->request->set_data
EXPORTING
  data = lv_emptybuffer_2.

REFRESH headers_2.

APPEND INITIAL LINE TO headers_2 REFERENCE INTO header.
header->name = 'Accept'.
header->value = 'application/json'.

APPEND INITIAL LINE TO headers_2 REFERENCE INTO header.
header->name = 'Content-Type'.
header->value = 'application/json'.

APPEND INITIAL LINE TO headers_2 REFERENCE INTO header.
header->name = 'TGT'.
header->value = iv_tgt.

APPEND INITIAL LINE TO headers_2 REFERENCE INTO header.
header->name = 'Accept-Language'.
header->value = 'en'.

lv_http_client_2->request->set_method( 'POST' ).
lv_http_client_2->request->append_cdata( v_json ).
lv_http_client_2->request->set_header_fields( fields = headers_2[] ).
lv_http_client_2->propertytype_accept_cookie = if_http_client=>co_enabled.

CALL METHOD lv_http_client_2->send
EXCEPTIONS
  http_communication_failure = 1
  http_invalid_state = 2.

CALL METHOD lv_http_client_2->receive
EXCEPTIONS
  http_communication_failure = 1
  http_invalid_state = 2
  http_processing_failed = 3.

CALL METHOD lv_http_client_2->response->get_status
IMPORTING
  code = lv_http_status_code_at_2
  reason = lv_status_text_at_2.

IF lv_http_status_code_at = '200'.

CALL METHOD lv_http_client_2->response->get_cdata
RECEIVING
  data = lv_result_2.

lv_http_client_2->close(
EXCEPTIONS
  http_invalid_state = 1
  OTHERS = 2).

REPLACE ALL OCCURRENCES OF 'amountOfSalesTowardsMatchedBlock'           IN lv_result_
2 WITH 'amountOfSalesTowardsMatchedBlo'.                                     IN lv_result_
  REPLACE ALL OCCURRENCES OF 'amountOfSalesTowardsUnMatchedBlock'          IN lv_result_
2 WITH 'amountOfSalesTowardsUnMatchedB'.                                     IN lv_result_
*   REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsMatchedBlockTotals' IN lv_result WITH 'aopTowardsMatchedBlock
Totals'.
*   REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsUnMatchedBlockTotals' IN lv_result WITH 'aopTowardsUnMatchedBlo
ckTotals'.

CALL METHOD /ui2/cl_json=>deserialize
EXPORTING
  json      = lv_result_2
  pretty_name = /ui2/cl_json=>pretty_mode-user
  assoc_arrays = abap_true
CHANGING
  data      = ls_data_2.

SORT ls_data_2-items BY date time.

LOOP AT ls_data_2-items INTO DATA(ls_items).
  READ TABLE es_data-items WITH KEY date = ls_items-date
    time = ls_items-time
    ASSIGNING FIELD-SYMBOL(<lfs_item>).
  IF sy-subrc IS INITIAL.
    <lfs_item>-amountofsalestowardsmatchedblo = ls_items-amountofsalestowardsmatchedblo.
    <lfs_item>-amountofsalestowardsunmatchedb = ls_items-amountofsalestowardsunmatchedb.
  ENDIF.
ENDLOOP.

```

```
ENDIF.  
ADD 1 TO lv_date_2.  
ENDDO.  
ENDMETHOD.
```

# Rezervasyon Yaratma Kodu

Tuesday, November 19, 2024 6:15 PM

```
DATA: ls_reservation_header TYPE bapirkpfc,
      ls_reservation_items  TYPE bapiresbc,
      lt_reservation_items  TYPE TABLE OF bapiresbc,
      lt_return_temp        TYPE TABLE OF bapireturn,
      lt_return              TYPE TABLE OF bapireturn,
      lt_return_popup        TYPE TABLE OF bapiret2.

CLEAR: ls_reservation_header,
       ls_reservation_items,
       lt_reservation_items,
       lt_return_temp,
       lt_return,
       lt_return_popup.

SELECT * FROM zmm_081_t_mb21
  WHERE matnr IN @so_matnr
    AND werks IN @so_werks
    AND bwart IN @so_bwart
    AND kostl IN @so_kostl
    AND erfme IN @so_erfme
    AND lgort IN @so_lgort
    AND rsdat IN @so_rsdat
  ORDER BY matnr, werks, rsdat, usnam
  INTO TABLE @DATA(lt_mb21).

LOOP AT lt_mb21 ASSIGNING FIELD-SYMBOL(<lfs_mb21>) GROUP BY ( werks = <lfs_mb21>-werks
                                                                bwart = <lfs_mb21>-bwart
                                                                rsdat = <lfs_mb21>-rsdat
                                                                usnam = <lfs_mb21>-usnam ) .

CLEAR: ls_reservation_header,
       ls_reservation_items,
       lt_reservation_items.

ls_reservation_header-plant      = <lfs_mb21>-werks.
ls_reservation_header-move_type  = <lfs_mb21>-bwart.
ls_reservation_header-res_date   = <lfs_mb21>-rsdat.
ls_reservation_header-cost_ctr   = <lfs_mb21>-kostl.
ls_reservation_header-created_by = <lfs_mb21>-usnam.

LOOP AT GROUP <lfs_mb21> ASSIGNING FIELD-SYMBOL(<lfs_mb51_member>).

CLEAR: ls_reservation_items.

ls_reservation_items-material   = <lfs_mb51_member>-matnr.
ls_reservation_items-plant     = <lfs_mb51_member>-werks.
ls_reservation_items-store_loc = <lfs_mb51_member>-lgort.
ls_reservation_items-quantity  = <lfs_mb51_member>-erfmq.

APPEND ls_reservation_items TO lt_reservation_items.

ENDLOOP.

CALL FUNCTION 'BAPI_RESERVATION_CREATE'
  EXPORTING
    reservation_header = ls_reservation_header
    NO_COMMIT          =
    MOVEMENT_AUTO      =
  TABLES
    reservation_items  = lt_reservation_items
    return              = lt_return_temp.

IF lt_return_temp[] IS NOT INITIAL.
```

```

LOOP AT lt_return_temp TRANSPORTING NO FIELDS WHERE type CA 'EAX'.
  EXIT.
ENDLOOP.

IF sy-subrc IS INITIAL.

  CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'.

  APPEND LINES OF lt_return_temp TO lt_return.

ENDIF.

ENDIF.

ENDLOOP.

IF lt_return[] IS INITIAL.

  MESSAGE s001(zmm_085).

ELSE.

  MOVE-CORRESPONDING lt_return[] TO lt_return_popup[].

  CALL FUNCTION 'RSCRMBW_DISPLAY_BAPIRET2'
    TABLES
      it_return = lt_return_popup.

ENDIF.

```

# COR1 exits and enhancements

Wednesday, November 20, 2024 10:03 AM

Hi Radhika,

Here are the User Exits for Tcode COR1

CCOWB001 Customer exit for modifying menu entries

COIB0001 Customer Exit for As-Built Assignment Tool

COZF0001 Change purchase req. for externally processed operation

COZF0002 Change purchase req. for externally procured component

PPCO0001 Application development: PP orders

PPCO0002 Check exit for setting delete mark / deletion indicator

PPCO0003 Check exit for order changes from sales order

PPCO0004 Sort and processing exit: Mass processing orders

PPCO0005 Storage location/backflushing when order is created

PPCO0006 Enhancement to specify defaults for fields in order header

**PPCO0007 Exit when saving production order**

PPCO0008 Enhancement in the adding and changing of components

PPCO0009 Enhancement in goods movements for prod. process order

PPCO0010 Enhancement in make-to-order production - Unit of measure

PPCO0012 Production Order: Display/Change Order Header Data

PPCO0013 Change priorities of selection crit. for batch determination

PPCO0015 Additional check for document links from BOMs

PPCO0016 Additional check for document links from master data

PPCO0017 Additional check for online processing of document links

PPCO0018 Check for changes to production order header

PPCO0019 Checks for changes to order operations

PPCO0021 Release Control for Automatic Batch Determination

PPCO0022 Determination of Production Memo

PPCO0023 Checks Changes to Order Components

STATTEXT Modification exit for formatting status text lines

Hope this info will help u...

From <<https://community.sap.com/t5/application-development-discussions/exit-in-cor1/m-p/5736879>>

# REST Örnek Metot

Thursday, November 21, 2024 11:49 AM

```
METHOD get_gop_block_new.

DATA: lv_json          TYPE string,
      lv_start        TYPE string,
      lv_enddate      TYPE string,
      lv_http_client  TYPE REF TO if_http_client,
      lv_create_url   TYPE string,
      lv_emptybuffer  TYPE xstring VALUE IS INITIAL,
      lv_result       TYPE string,
      lv_http_status_code_at TYPE i,
      lv_status_text_at TYPE string,
      lv_response     TYPE string,
      lv_date_diff    TYPE i,
      lv_date         TYPE datum,
      headers         TYPE tihttpnvp.

CLEAR:
lv_json          .
lv_start        .
lv_enddate      .
lv_http_client  .
lv_create_url   .
lv_emptybuffer  .
lv_result       .
lv_http_status_code_at .
lv_status_text_at .
lv_response     .
lv_date_diff    .
lv_date         .
headers         .

DATA: ls_data  TYPE zsd_enj_s_gop.

CONSTANTS: lc_url  TYPE string VALUE 'https://seffaflik.epias.com.tr/electricity-service/v1/markets/dam/data/amount-of-block-buying'.

lv_start      = iv_startdate+0(4)  && '-' && iv_startdate+4(2)  && '-' && iv_startdate+6(2)  && 'T00:00:00+03:00'.
lv_enddate    = iv_enddate+0(4)   && '-' && iv_enddate+4(2)   && '-' && iv_enddate+6(2)   && 'T00:00:00+03:00'.

lv_json = '{' && |"endDate":'{ lv_enddate }","startDate":'{ lv_start }| && '}'.

CALL METHOD cl_http_client->create_by_url
  EXPORTING
    url           = lc_url
  IMPORTING
    client        = lv_http_client
  EXCEPTIONS
    argument_not_found = 1
    plugin_not_active  = 2
    internal_error     = 3
    OTHERS             = 4.

CALL METHOD lv_http_client->request->set_data
  EXPORTING
    data = lv_emptybuffer.

REFRESH headers.

APPEND INITIAL LINE TO headers REFERENCE INTO DATA(header).
header->name  = 'Accept'.
header->value = 'application/json'.

APPEND INITIAL LINE TO headers REFERENCE INTO header.
header->name  = 'Content-Type'.
header->value = 'application/json'.

APPEND INITIAL LINE TO headers REFERENCE INTO header.
header->name  = 'TGT'.
header->value = iv_tgt.

APPEND INITIAL LINE TO headers REFERENCE INTO header.
header->name  = 'Accept-Language'.
header->value = 'en'.

lv_http_client->request->set_method( 'POST' ).
lv_http_client->request->append_cdata( lv_json ).
lv_http_client->request->set_header_fields( fields = headers[] ).
lv_http_client->propertytype_accept_cookie = if_http_client->co_enabled.

CALL METHOD lv_http_client->send
  EXCEPTIONS
    http_communication_failure = 1
    http_invalid_state         = 2.

CALL METHOD lv_http_client->receive
  EXCEPTIONS
    http_communication_failure = 1
```

```

    http_invalid_state      = 2
    http_processing_failed = 3.

CALL METHOD lv_http_client->response->get_status
IMPORTING
  code   = lv_http_status_code_at
  reason = lv_status_text_at.

IF lv_http_status_code_at = '200'.

CALL METHOD lv_http_client->response->get_cdata
RECEIVING
  data = lv_result.

lv_http_client->close(
EXCEPTIONS
  http_invalid_state = 1
  OTHERS             = 2).

REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsMatchedBlock'           IN lv_result WITH 'amountOfPurchasingTowardsMatchedBlock'
REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsUnMatchedBlock'           IN lv_result WITH 'amountOfPurchasingTowardsUnMatchedBlock'
REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsMatchedBlockTotals'        IN lv_result WITH 'aopTowardsMatchedBlockTotals'
REPLACE ALL OCCURRENCES OF 'amountOfPurchasingTowardsUnMatchedBlockTotals'      IN lv_result WITH 'aopTowardsUnMatchedBlockTotal'

CALL METHOD /ui2/cl_json=>deserialize
EXPORTING
  json          = lv_result
  pretty_name   = /ui2/cl_json=>pretty_mode-user
  assoc_arrays  = abap_true
CHANGING
  data          = ls_data.

SORT ls_data-items BY date time.

MOVE-CORRESPONDING ls_data-items TO es_data-items.

ENDIF.
ENDMETHOD.
```

# Bakım tablosunda events

Sunday, November 24, 2024 11:51 PM

<https://community.sap.com/t5/application-development-blog-posts/update-and-create-events-in-table-maintenance-generator/ba-p/13408814>

# pc00\_m47\_ic01 -> icmal raporu alan ekleme

Tuesday, November 26, 2024 5:57 PM

pc00\_m47\_ic01 -> icmal raporu

PTRICM06 -> bu structure'a ekleme yapıyoruz

PAICMTRA include içinde set\_and\_append metodu içinde enhancement

```
"beg:HR:9003609912-Ik yni talepler hak.-dönem bilgisi, şirket adı ve sgk no bilgilerinin slv'ye getirilmesi-NOSENAYA/CELMACI-26.11.2024
ASSIGN COMPONENT 'ZDÖNEM' OF STRUCTURE <l_data> TO <l_fld_2>.

IF <l_fld_2> is ASSIGNED.
  IF pnptimr9 eq abap_true.
    CONCATENATE pnpdispp pnpdispj INTO <l_fld_2> SEPARATED BY ''.
  elseif pnptimra eq abap_true.
    CONCATENATE pnppabrp pnppabrpj INTO <l_fld_2> SEPARATED BY ''.
  ENDIF.
ENDIF.

ASSIGN COMPONENT 'ZSIRKET_ADI' OF STRUCTURE <l_data> TO <l_fld_2>.

IF <l_fld_2> is ASSIGNED.
  SELECT single t-butxt
    into <l_fld_2>
    from pa0001 as p
    inner join t001 as t
      on t-bukrs eq p-bukrs
    where p-pernr eq p0001-pernr
      and p-begda le PNPDISBD
      and p-endda ge PNPDISBD.

ENDIF.

ASSIGN COMPONENT 'ZSGK_NO' OF STRUCTURE <l_data> TO <l_fld_2>.

IF <l_fld_2> is ASSIGNED.
  SELECT single t-sskno
    into <l_fld_2>
    from pa0001 as p
    inner join T7TRG01 as t
      on t-btrtl eq p-btrtl
      and t-werks eq p-werks
      and t-begda le PNPDISBD
      and t-endda ge PNPDISBD
    where p-pernr eq p0001-pernr
      and p-begda le PNPDISBD
      and p-endda ge PNPDISBD.

ENDIF.

"end:HR:9003609912-Ik yni talepler hak.-dönem bilgisi, şirket adı ve sgk no bilgilerinin slv'ye getirilmesi-NOSENAYA/CELMACI-26.11.2024
```

# Data changed ile değişiklik yapıldıkça ilgili satırın editable olmasını sağlamak için kod

Friday, November 29, 2024 3:06 PM

```
METHOD data_changed_finished4.  
  DATA: lv_refresh TYPE xfeld.  
  
  LOOP AT et_good_cells ASSIGNING FIELD-  
SYMBOL(<fs_cell>) WHERE fieldname CS 'ARCFIZOZ'.  
  
    READ TABLE mt_arcddeg ASSIGNING FIELD-  
SYMBOL(<fs_list>) INDEX <fs_cell>-row_id.  
    IF sy-subrc = 0.  
      ASSIGN COMPONENT <fs_cell>-  
fieldname OF STRUCTURE <fs_list> TO FIELD-SYMBOL(<fs_selected>).  
      IF <fs_selected> IS ASSIGNED.  
        IF <fs_selected> = abap_true.  
          <fs_list>-  
celltab = VALUE #( ( fieldname = 'FIZACK' style = cl_gui_alv_grid=>  
mc_style_enabled )  
                           ( fieldname = 'REDNEDENI' style =  
cl_gui_alv_grid=>mc_style_enabled )  
        ).  
        lv_refresh = abap_true.  
      ELSE.  
        CLEAR: <fs_list>-celltab[],<fs_list>-fizack.  
        lv_refresh = abap_true.  
      ENDIF.  
    ENDIF.  
  ENDIF.  
ENDLOOP.  
  
  IF lv_refresh = abap_true.  
*   lo_alv4->refresh_table_display( ).  
  
ENDIF.  
ENDMETHOD.
```

## QM10 ekran alv'sine ek alan ekleme

Tuesday, December 3, 2024 11:56 AM

### Dictionary: Display Structure

Structure: RQM0EL1 Active  
Short Description: Kalite bildirimi - bildirimler (raporlama)

Component	Reference Type	Component Type	Data Type	Length	Deci...	Short Description
FERIVORAKT	1	QKUR2TEXT	CHAR	40	0	Kısa metin
VKBUR	1	VKBUR	CHAR	4	0	Satış bürosu
VKGGRP	1	VKGGRP	CHAR	3	0	Satış grubu
PRIOKX	1	PRIOKX	CHAR	20	0	Öncelik için metin
MATKTX	1	MAKTX	CHAR	40	0	Malzeme kısa metni
APPEND	1	ZQM_0001_S_QMEL		0	0	QMEL tablosu ek alanlar
ZZTEKARLAYANHA	1	ZQM_0001_DE_TEK...	CHAR	1	0	Tekrarlayan Hata

### Dictionary: Change Structure

Structure: CI\_QMEL Active  
Short Description: Delay Field

Component	Reference Type	Component Type	Data Type	Length	Deci...	Short Description
ZZVERSION	1	ZPMAE004	CHAR	15	0	Version
ZZTEKARLAYANHA	1	ZQM_0001_DE_TEK...	CHAR	1	0	Tekrarlayan Hata
ZZICMALIYET	1	ZQM_0001_DE_ICM...	DEC	8	2	İç Maliyet
ZZDISMALIYET	1	ZQM_0001_DE_DIS...	DEC	8	2	Dış Maliyet
ZZ8DREPORT	1	ZQM_0001_DE_BDR...	CHAR	1	0	BD Report Gonderimi

Yukarıdaki structure'lara eklemeleri yaptıktan sonra veri atamalarımızı yapmak için EXIT kullanmamız gerekiyor. **EXIT\_SAPMIWO0\_009** isimli exit'i kullanmamız gerekiyor.

### ABAP düzenleyici: Include ZXQQU08 Display

Include: ZXQQU08 Active

```

19  *" EXPORTING
20  *"   VALUE(E_VIQMEL) LIKE VIQMEL STRUCTURE VIQMEL
21  *"-"
22  break kboz.
23  break osenturk.
24  "MOVE-CORRESPONDING viqmel TO e_viqmel.
25  MOVE-CORRESPONDING i_viqmel TO e_viqmel.
26  e_viqmel-zequnr = viqmel-zequnr.
27  e_viqmel-zzversion = viqmel-zzversion.
28  "LEAVE TO SCREEN sy-dyinrr.
29
30  e_viqmel-zzicmaliyet      = viqmel-zzicmaliyet.
31  e_viqmel-zzdismaliyet    = viqmel-zzdismaliyet.
32  e_viqmel-zztekarlayanhata = viqmel-zztekarlayanhata.
33  e_viqmel-zz8dreport       = viqmel-zz8dreport.
                                         "> Th: 84737

```

Object Name: Description

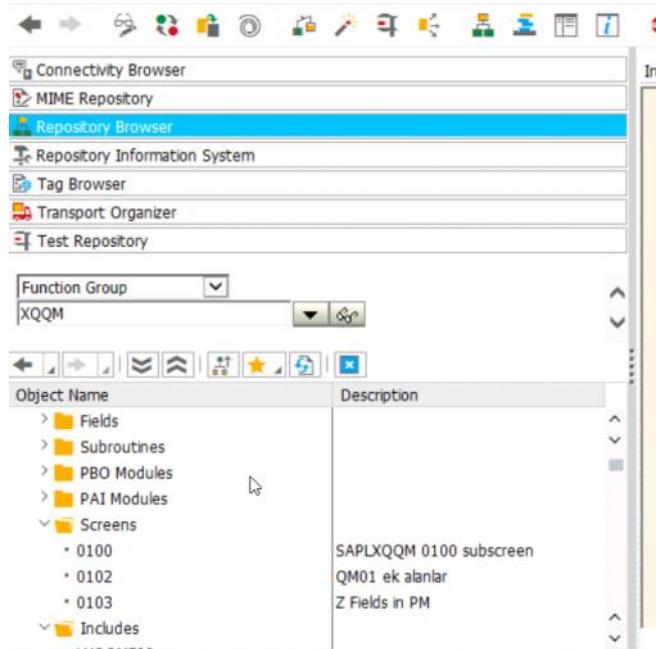
- ZXQQU02
- ZXQQU03
- ZXQQU04
- ZXQQU05
- ZXQQU06
- ZXQQU07
- ZXQQU08**
- ZXQQU09
- ZXQQU10
- ZXQQU11

The code handles exporting values from the VIQMEL structure to the E\_VIQMEL field, moving corresponding values between I\_VIQMEL and E\_VIQMEL, and mapping specific fields like ZZVERSION, ZZTEKARLAYANHA, ZZICMALIYET, ZZDISMALIYET, and ZZ8DREPORT.

## QM01 ekranına yeni ek alanlar ekleme

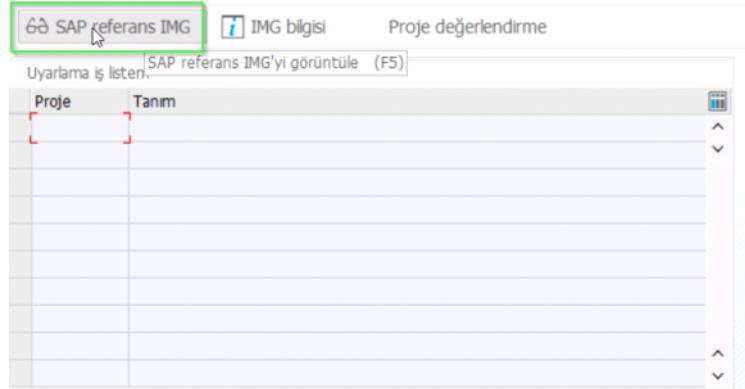
Tuesday, December 10, 2024 9:35 AM

ABAP düzenleyici: Include ZXQQMI05 Change

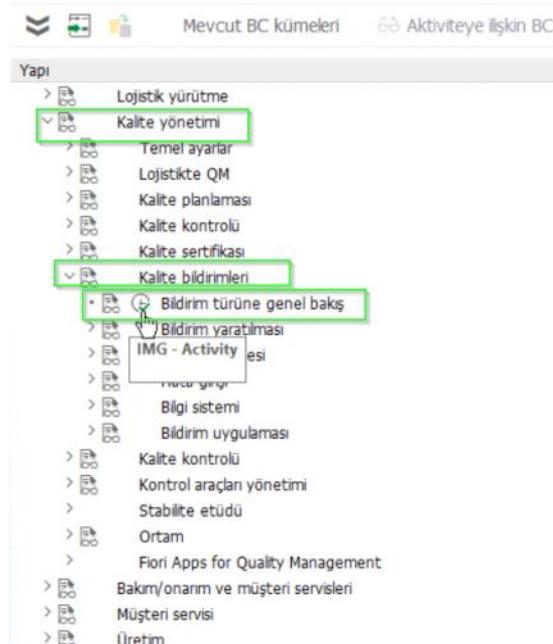


Buradaki fonksiyon grupta ek screen'ler ekliyoruz ve daha sonra SPRO üzerinden çağrıyoruz.

### Uyarlama: Proje İşlemesi



### Uygulama kılavuzunu görüntüle



"Bildirim türü" görünümünü görüntüle: Genel bakış

Bld.türü	Metin	Metin
QT	Stblt.etüdü - deneme	Kalte bildirimi
Z1	Tedarikçi Hata Bild.	Kalte bildirimi
Z3	Üretim hataları	Kalte bildirimi
ZB	Kalte Blokajları	Kalte bildirimi
ZK	Kalte İkazları	Kalte bildirimi
ZM	CMS Müşteri İadeleri	Kalte bildirimi

Sağ taraftan bildirim türü seçikten sonra sol taraftan genişletilmiş görünüm için ekran düğmeni klasörene çift tıklıyoruz.

"Genişletilmiş görünüm için ekran düğmeni" görünümünü değiştir: Genel b

Bildirim türü	Z1 Tedarikçi Hata Bild.
Genisletilmis gorunum icin ekran duzeni	
Kartotek	Tanım
10\TAB01	Bildirim 1
10\TAB02	Ek veriler 1
10\TAB03	Ek veriler 2
10\TAB04	Terminler
10\TAB05	Anza verileri
10\TAB06	Tessin kullanılabılırlığı
10\TAB10	Kalem
10\TAB11	Görevler
10\TAB12	İşlemler
10\TAB13	Kalem 2
10\TAB14	Tüm görevler
10\TAB15	Tüm şemeler
10\TAB16	Tüm nedenler
20\TAB01	Kaleme genel bakış

Bildirim yarat: Tedarikçi Hata Bild.

Bildirim: 200000518 Z1 Tedarikçi Hata Bild.

Bildirim durumu: BLDA HRCB

Tanım:

- Referans nesne: Malzeme, Revizyon düzeyi, Seni numarası, Ekom.verileri, Satıcı mż.no, UPN malzemesi
- Referans belgeler: Referans no., Satınalma bilg, Malzeme belgesi
- İyeri: İyeri içi ÜY, İyeri

Burada QM01 ekranındaki tabları görebiliriz. Eklemeğimiz tab'a tıklarız ve eklenecek yer var mı diye kontrol ederiz.

Bildirim türü: Z1 Tedarikçi Hata Bild.  
Bildirim tipi: 02 Kalite bildirimi

İşlev

Aktivite tipi:   
Kartotek: 10\TAB03 Ek veriler 2

Kartotek

Kartotek başlığı: Yürütme  
İkon:  Kartotek  
Kartotek bölümleri: 0

Ekran alanı

Ecran alanı 1	035	İlgili kişi (müşteri/satıcı/yazar)	Ecran 1	<input type="text"/>
Ecran alanı 2	010	Yürütme	Ecran 2	<input type="text"/>
Ecran alanı 3	091	Müşteri alt ekranı (>1 ekran/bld.türü)	Ecran 3	0102
Ecran alanı 4	091	Müşteri alt ekranı (>1 ekran/bld.türü)	Ecran 4	0104
Ecran alanı 5			Ecran 5	<input type="text"/>

Buradaki gibi yarattığımız subscreen'leri ekliyoruz. İlgili tab altında eklediğimiz alanları görebiliriz.

Bildirim yarat: Tedarikçi Hata Bild.

İlanım Referans nesneler Konu Yürütme Kalemler Görevler İşlemler

**İlgili kişi**

Satıcı: [Redacted]

**Yürütme**

Öncelik:   Kesinti  
İst. başlangıç: 10.12.2024 09:48:40 İstenen bitiş: 00:00:00  
Arza bgl.: 10.12.2024 09:48:42 Arza sonu: 00:00:00

İlgili Departman:   
İlgili Kişi:

**Maliyetler**

IC Maliyet:   
DIS Maliyet:

**Hata Girişи**

Tekrarlayan Hata:

# QM01 ve QM02 ekranlarından eklenen attachment'ı belli bir dizine indirme işlemi

Tuesday, December 10, 2024 9:49 AM

Function Builder: Display EXIT\_SAPMIW00\_020

The screenshot shows the SAP Function Builder interface with the title "Function Builder: Display EXIT\_SAPMIW00\_020". The function module name "EXIT\_SAPMIW00\_020" is selected. The "Source code" tab is active. The code is as follows:

```
9      VALUE(E_VIQMEL) LIKE VIQMEL STRUCTURE VIQMEL
10     VALUE(E_CHANGE)
11   TABLES
12     T_VIQMFE STRUCTURE WQMFE
13     T_VIQMUR STRUCTURE WQMUR
14     T_VIQMMA STRUCTURE WQMMA
15     T_VIQMSM STRUCTURE WQMSM
16   EXCEPTIONS
17     EXIT_FROM_SAVE
18   -----
19
20   ---- Move I_VIQMEL to exporting parameter E_VIQMEL
21   MOVE I_VIQMEL TO E_VIQMEL.
22
23   INCLUDE ZXQQMU20.
24
25
26   ENDFUNCTION.
```

"beg:9003486584-QM01 ekranından eklenen dökümanın ortak klasöre kaydedilmesi işleminin yapılması-KERKUT/OELMACI-09.12.2024

```
DATA: lt_instid_b TYPE TABLE OF srgbtbrel-instid_b.

SELECT instid_b
  FROM srgbtbrel
 WHERE instid_a = @i_viqmel-qmnum
   INTO TABLE @lt_instid_b.

IF sy-subrc IS INITIAL.

  DATA: folder_id TYPE soodk,
        object_id TYPE soodk,
        objcont  TYPE TABLE OF soli,
        objhead  TYPE TABLE OF soli.

  LOOP AT lt_instid_b INTO DATA(ls_instid_b).

    DATA(lv_tabix) = sy-tabix.

    CLEAR: folder_id, object_id, objcont, objhead.

    DATA: lv_date TYPE string,
          lv_time TYPE string.

    CLEAR: lv_date, lv_time.

    CONCATENATE sy-datum+6(2) sy-datum+4(2) sy-datum+0(4) INTO lv_date.

    lv_time = sy-uzeit.

    folder_id-objtp = ls_instid_b(3).
    folder_id-objyr = ls_instid_b+3(2).
    folder_id-objno = ls_instid_b+5(12).

    object_id-objtp = ls_instid_b+17(3).
    object_id-objyr = ls_instid_b+20(2).
    object_id-objno = ls_instid_b+22(17).

    CALL FUNCTION 'SO_OBJECT_READ'
      EXPORTING
        folder_id           = folder_id
        object_id           = object_id
      TABLES
        objcont            = objcont
        *      OBJHEAD          =
        *      OBJPARA          =
        *      OBJPARB          =
      EXCEPTIONS
        active_user_not_exist = 1
        communication_failure = 2
```

```

component_not_available      = 3
folder_not_exist            = 4
folder_no_authorization     = 5
object_not_exist             = 6
object_no_authorization      = 7
operation_no_authorization   = 8
owner_not_exist              = 9
parameter_error              = 10
substitute_not_active        = 11
substitute_not_defined       = 12
system_failure               = 13
x_error                      = 14
OTHERS                        = 15.

IF sy-subrc <> 0.
  " Implement suitable error handling here
ELSE.

  DATA: lv_path_and_file TYPE string,
        lv_str_index      TYPE string.

  CLEAR: lv_path_and_file, lv_str_index.

  lv_str_index = lv_tabix.

  CONDENSE lv_str_index.

  CONCATENATE 'C:\Users\10131956\OneDrive - NTT DATA Business Solutions AG\Desktop\Attachments\'  

               lv_date '_' lv_time '_' viqmel-qmnum '_attachment_' lv_str_index INTO lv_path_and_file.

  IF objcont[] IS NOT INITIAL.

    CASE object_id-objtp.
      WHEN 'EXT'.
        "data definiton for finding last occurences of dot
        DATA: ls_result TYPE match_result,  

              lv_offset_index TYPE int2,  

              lv_extension_name TYPE char4.

        CLEAR: ls_result, lv_offset_index, lv_extension_name.

        READ TABLE objhead INDEX 1 INTO DATA(ls_objhead).

        FIND ALL OCCURRENCES OF '.' IN ls_objhead-line RESULTS ls_result. " Finds last occurrence of '.'
        lv_offset_index = ls_result-offset + 1. "keeps the index of the last occurrence of the dot.
        lv_extension_name = ls_objhead-line+lv_offset_index.
        TRANSLATE lv_extension_name TO UPPER CASE.

        CASE lv_extension_name.
          WHEN 'PDF'.
            CONCATENATE lv_path_and_file '.pdf' INTO lv_path_and_file.

          WHEN 'XLSX'.
            CONCATENATE lv_path_and_file '.xlsx' INTO lv_path_and_file.

          WHEN 'DOCX'.
            CONCATENATE lv_path_and_file '.docx' INTO lv_path_and_file.

          WHEN OTHERS.
        ENDCASE.

        CALL FUNCTION 'SO_OBJECT_DOWNLOAD'
        EXPORTING
          filetype           = 'BIN'
          path_and_file      = lv_path_and_file
          extct              = 'K'
          no_dialog          = 'X'
        TABLES
          objcont            = objcont
        EXCEPTIONS
          file_write_error    = 1
          invalid_type        = 2
          x_error              = 3
          kpro_error           = 4
          OTHERS                = 5.

        IF sy-subrc <> 0.
          " Implement suitable error handling here
        ENDIF.

        WHEN 'RAW'.

          CONCATENATE lv_path_and_file '.txt' INTO lv_path_and_file.

    ENDCASE.
  ENDIF.

```

```

CALL FUNCTION 'SO_OBJECT_DOWNLOAD'
EXPORTING
  filetype          = 'ASC'
  path_and_file    = lv_path_and_file
  no_dialog         = 'X'
TABLES
  objcont           = objcont
EXCEPTIONS
  file_write_error  = 1
  invalid_type      = 2
  x_error           = 3
  kpro_error         = 4
  OTHERS             = 5.

  IF sy-subrc <> 0.
    " Implement suitable error handling here
  ENDIF.

  WHEN OTHERS.

ENDCASE.

ENDIF.

ENDIF.

ENDLOOP.

ENDIF.

```

"end:9003486584-QM01 ekranından eklenen dökümanın ortak klasöre kaydedilmesi işleminin yapılması-KERKUT/OELMACI-09.12.2024

Alan adı	S.. İlk dğr.	Son dğr.	DhFz	Çıktı	Teknik ad
Üst birim					CLIENT
GUID	<input type="text"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	BRELGUID
Rel. type	<input type="text"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	RELTYPE
Instance ID	<input type="text"/> 000200000482		<input type="checkbox"/>	<input checked="" type="checkbox"/>	INSTID_A
Object Type	<input type="text"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	TYPEID_A
Object Category	<input type="text"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	CATID_A
Instance ID	<input type="text"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	INSTID_B
Object Type	<input type="text"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	TYPEID_B
Object Category	<input type="text"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	CATID_B

# QM01 ve QM02 ekranlarının save butonu exit'i

Tuesday, December 10, 2024 9:49 AM

EXIT\_SAPMIW00\_020

# QM01 ve QM02 ekranlarından eklenen attachmentler'i belli bir dizine indirme işlemi - 2

Monday, December 16, 2024 9:30 PM

# AL11'deki bir dosyanın pc'ye kaydedilmesi için fonksiyon

Tuesday, December 17, 2024 3:55 PM

ARCHIVFILE\_SERVER\_TO\_CLIENT

## SCMS\_DOC\_READ metodu ile binary veri alma

Tuesday, December 17, 2024 5:57 PM

SO\_OBJECT\_READ metodu ile alınan bir veridir notepad içindeki mavi ile işaretli olan alan

The screenshot shows the SAP Logon 750 interface. At the top, the path is /usr/sap/ and the function module is SOFFPHIO: Bulunan giriş görüntüsü. The left sidebar shows a 'Work' folder containing 'Untitled - Notepad' with some text and file IDs. The main area displays the results of the function module execution.

**Gözatılacak tablo:** SOFFPHIO  
**Bulunan sayısı:** 1  
**Çıktı sayısı:** 0  
**Azami bulunan sayısı:** 500

Physical Document	PHIO Class	Logical document	LOIO class	TechStatus	Title ID	Created by	Time Created	Changed by	Last Changed At	Category
0050569F6E991EDFADC35B0A4760DF6F	SOFFPHIO	0050569F6E991EDFADC35B0A4760DF6F	SOFIL010	2	NTTDATA	09.12.2024 13:46:30	NTTDATA	09.12.2024 13:46:30	SOFF010	

**Test Function Module: Result Screen**

Import parameters:

Name	Value
MNUID	111
STOR_CAT	SOFYDB
CREP_ID	0050569F6E991EDFADC35B0A4760DF6F
PHIO_ID	0050569F6E991EDFADC35B0A4760DF6F
SIGNATURE	X
SECURITY	
NO_CACHE	
RAW_MODE	

Export parameters:

Name	Value
FROM_CACHE	10:46:30
CHNG_DATE	09.12.2024
CHNG_TIME	10:46:30
CHNG_DATE	09.12.2024
STATUS	0
DOC PROT	

Tables:

Table	Value
ACCESS_INFO	Results: 0 Entries
CONTENT_TXT	Results: 1 Entry
CONTENT_BIN	Results: 15 Entries

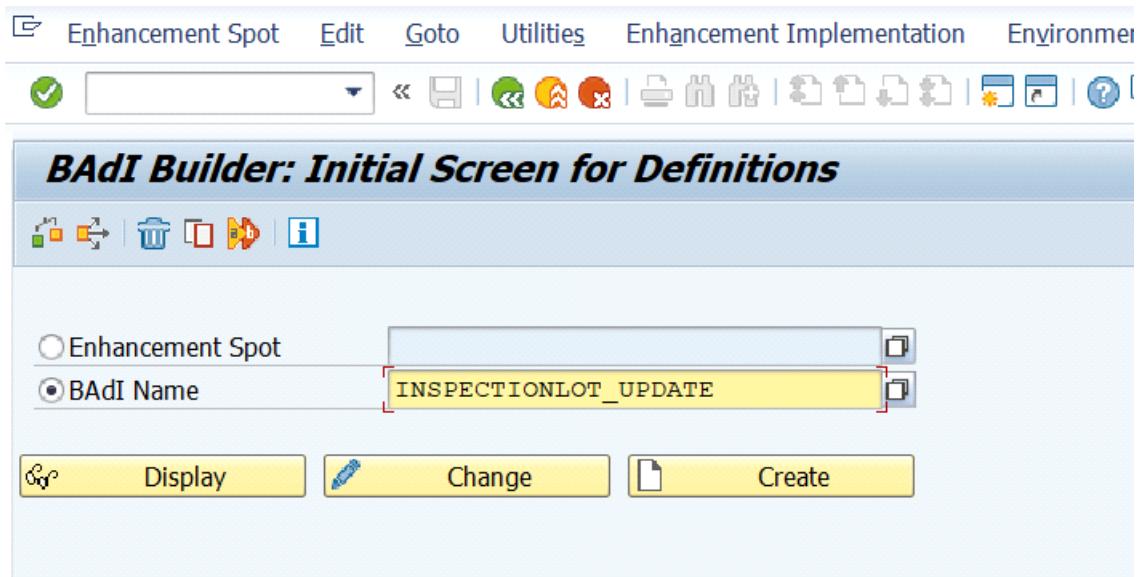
# Message Popup

Wednesday, December 18, 2024 11:14 AM

```
CALL FUNCTION 'OXT_MESSAGE_TO_POPUP'
EXPORTING
  it_message  = gt_return[]
IMPORTING
  ev_continue = ev_continue
EXCEPTIONS
  bal_error   = 1
  OTHERS       = 2.
```

# QA11 ve QA32 işlem kodlarından kullanım kararı verilirken yetki kontrolü

Monday, December 23, 2024 11:53 AM



INSPECTIONLOT\_UPDATE

# Internal tabloyu excel yapıp ek olarak mail ile gönderme

Wednesday, January 15, 2025 9:38 PM

```
TYPES: BEGIN OF ty_exp,
        field1 TYPE string,
        field2 TYPE string,
        field3 TYPE string,
    END OF ty_exp.

DATA: lt_data          TYPE TABLE OF ty_exp,
      lo_descr_table  TYPE REF TO cl_abap_tabledescr,
      lo_descr_struct  TYPE REF TO cl_abap_structdescr,
      lt_components    TYPE abap_compdescr_tab,
      ls_component     TYPE abap_compdescr.

" Step 1: Populate your internal table with sample data
lt_data = VALUE #( ( field3 = 'C1' field2 = 'B1' field1 = 'A1' )
                  ( field3 = 'C2' field2 = 'B2' field1 = 'A2' )
                  ( field3 = 'C3' field2 = 'B3' field1 = 'A3' ) ).

" Get table descriptor
lo_descr_table ?= cl_abap_tabledescr->describe_by_data( lt_data ).

" Get structure descriptor
lo_descr_struct ?= lo_descr_table->get_table_line_type( ).

" Get components of the structure
lt_components = lo_descr_struct->components.

" data declaration
" variable declaration
DATA : v_lines_bin      TYPE i,                      "no of lines for excel data
       message_lines    TYPE i,                      "no of lines for body of mail
       v_mailaddr       TYPE  addr6-smtp_addr. " storing email id

" class declaration
CLASS: cl_abap_char_utilities DEFINITION LOAD.

" internal table declaration
DATA: it_objpack  TYPE STANDARD TABLE OF sopcklstil,
      imessage    TYPE STANDARD TABLE OF solistil ,
      it_reclist   TYPE STANDARD TABLE OF somlrecil ,
      it_objbin   TYPE STANDARD TABLE OF solistil ,
      c_tab TYPE c VALUE cl_abap_char_utilities=>horizontal_tab,
      c_ret TYPE c VALUE cl_abap_char_utilities=>cr_lf,

"work area declaration
wa_objbin LIKE LINE OF it_objbin,
wa_imessage LIKE LINE OF imessage,
wa_it_reclist  TYPE somlrecil,
w_doc_chng    TYPE sodocchgil,
wa_it_orders  TYPE sfc_poco,
wa_it_objpack TYPE sopcklstil.

" populate the text for body of the mail
CLEAR wa_imessage.
wa_imessage-line = 'Please find above the excel attached for the list of unprocessed orders'.
APPEND wa_imessage TO imessage.

DESCRIBE TABLE imessage LINES message_lines.      "no of lines for body of mail

READ TABLE imessage INTO wa_imessage INDEX message_lines.

"document information
w_doc_chng-obj_name = 'Excel'.
w_doc_chng-obj_descr = 'Excel For Unprocessed Orders'.
```

```

w_doc_chng_sensitivity = 'F'.           " F ->Functional object
w_doc_chng_doc_size = ( message_lines - 1 ) * 255 + strlen( wa_imessage-
line ).   " calculating total size of doc

" displaying planned order no , material , plant in the excel

LOOP AT lt_components INTO ls_component.
  DATA(lv_tabix) = sy-tabix.
  IF lv_tabix EQ 1.
    wa_objbin = ls_component-name.
  ELSE.
    CONCATENATE wa_objbin ls_component-name INTO wa_objbin SEPARATED BY c_tab.
  ENDIF.
ENDLOOP.

APPEND wa_objbin TO it_objbin.

CLEAR : wa_objbin.
LOOP AT lt_data INTO DATA(ls_data). "It_orders is the internal table to be transferred to excel
  LOOP AT lt_components INTO ls_component.
    ASSIGN COMPONENT ls_component-name OF STRUCTURE ls_data TO FIELD-SYMBOL(<lfs_deger>).
    lv_tabix = sy-tabix.
    IF lv_tabix EQ 1.
      wa_objbin = <lfs_deger>.
    ELSE.
      CONCATENATE wa_objbin <lfs_deger> INTO wa_objbin SEPARATED BY c_tab.
    ENDIF.
  ENDLOOP.
  CONCATENATE c_ret wa_objbin INTO wa_objbin.
  APPEND wa_objbin TO it_objbin.
ENDLOOP.

DESCRIBE TABLE it_objbin LINES v_lines_bin.    " no of lines for excel data

" pack the data as RAW
CLEAR wa_it_objpack-transf_bin.          "Obj. to be transported not in binary form
wa_it_objpack-head_start = 1.           "Start line of object header in transport packet
wa_it_objpack-head_num = 0.              "Number of lines of an object header in object packet
wa_it_objpack-body_start = 1.            "Start line of object contents in an object packet
wa_it_objpack-body_num = message_lines. "Number of lines of the mail body
wa_it_objpack-doc_type = 'RAW'.
APPEND wa_it_objpack TO it_objpack.

" pack the data as excel
wa_it_objpack-transf_bin = 'X'.          "no of lines of it_orders to give no of unprocessed orders
wa_it_objpack-head_start = 1.
wa_it_objpack-head_num = 1.
wa_it_objpack-body_start = 1.
wa_it_objpack-
body_num = v_lines_bin.                 " -> excel fomat
wa_it_objpack-doc_type = 'XLS'.
wa_it_objpack-obj_name = 'EXCEL ATTACHMENT'.

" attachment name
CONCATENATE 'Excel' '.xlsx' INTO wa_it_objpack-obj_descr.        " UNPROCESSED ORDERS
wa_it_objpack-doc_size = v_lines_bin * 255.
APPEND wa_it_objpack TO it_objpack.

" creating email id
v_mailaddr = 'ozcan.elmaci@nttdata.com'.

* e-mail receivers.
CLEAR wa_it_reclist.
wa_it_reclist-receiver = v_mailaddr.
wa_it_reclist-express = 'X'.
wa_it_reclist-rec_type = 'U'." -> Internet address
APPEND wa_it_reclist TO it_reclist.

" sending mail
CALL FUNCTION 'SO_NEW_DOCUMENT_ATT_SEND_API1'

```

```

EXPORTING
  document_data          = w_doc_chng
  put_in_outbox          = 'X'
  commit_work             = 'X'
*
* IMPORTING
*   SENT_TO_ALL           =
*   NEW_OBJECT_ID          =
TABLES
  packing_list            = it_objpack
*
*   OBJECT_HEADER          =
  contents_bin             = it_objbin
  contents_txt              = imessage
*
*   CONTENTS_HEX           =
*   OBJECT_PARA             =
*   OBJECT_PARB             =
  receivers                = it_reclist
EXCEPTIONS
  too_many_receivers      = 1
  document_not_sent        = 2
  document_type_not_exist  = 3
  operation_no_authorization = 4
  parameter_error          = 5
  x_error                  = 6
  enqueue_error             = 7
  OTHERS                    = 8
.

COMMIT WORK.

IF sy-subrc <> 0.
  MESSAGE 'Mail gönderimi başarısız!' type 'E'.
else.
  MESSAGE 'Mail gönderimi başarılı!' type 'S'.
ENDIF.

```

# TBB1 işlem kodundan düşülen yerler

Thursday, January 30, 2025 3:57 PM

**Class Builder Class CL\_DOCUMENT\_TRAC Display**

Repository Browser  
Class/Interface CL\_DOCUMENT\_TRAC

Object Name Description

- CL\_DOCUMENT\_TRAC Accounting Adaptor Do
- Class Agent
- Interfaces
- Attributes
- Methods
- Events
- Types
- Enhancement Implementations
  - ZTRM\_000\_ENH\_DETERMINE\_LEDGER Determine Ledger

Method DETERMINELEDGER active

```
62  ENDDIF.  
63  
64  
65  *$*S-Start: (1)  
66  ENHANCEMENT 1 ZTRM_000_ENH_DETERMINE_LEDGER. "active version  
67  
68  DATA: lv_ftype      TYPE tpm_dis_flowtype,  
69          ls_diff       TYPE difs_diff_values,  
70          xledgerselection TYPE tpm_ledger_selection,  
71          xspecialledger TYPE rldnr.  
72  
73  DATA(lv_bukrs) = get_company_code( ).  
74  
75  READ TABLE flows INTO DATA(ls_flows) INDEX 1.  
76  
77  IF sy-subrc IS INITIAL.  
78    ls_flows->get_flow_data(  
79      IMPORTING  
80        ex_distribution_flowtype = lv_ftype ).  
81  
82    ls_flows->get_diff_values_structure(  
83      IMPORTING  
84        ex_diff_values = ls_diff ).  
85  ENDIF.  
86  
87  SELECT SINGLE @abap_true  
88    FROM ztrm_000_t_prdct  
89    INTO @DATA(lv_exist)  
90    WHERE sgsart = @ls_diff-product_type  
91      and ftype = @lv_ftype.
```

**Class Builder Class CL\_DOCUMENT\_TRAC Display**

Repository Browser  
Class/Interface CL\_DOCUMENT\_TRAC

Object Name Description

- CL\_DOCUMENT\_TRAC Accounting Adaptor Do
- Class Agent
- Interfaces
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- Enhancement Implementations
  - ZTRM\_000\_ENH\_DETERMINE\_LEDGER Determine Ledger

Method DETERMINELEDGER active

```
93  IF lv_exist IS NOT INITIAL.  
94  
95    DATA(xvalarea) = get_valuation_area( ).  
96    DATA(xtac)     = get_tr_acc_code( ).  
97  
98    cl_customizing_trac->getpostingledger(  
99      EXPORTING  
100        im_val_area      = xvalarea  
101        im_tac           = xtac  
102      IMPORTING  
103        ex_ledger_selection = xledgerselection  
104        ex_special_ledger  = xspecialledger  
105        ex_acc_principle   = acc_principle  
106      EXCEPTIONS  
107        no_ledger_found    = 1  
108        parameter_initial  = 2  
109        others             = 3  
110    ).  
111  IF sy-subrc <> 0.  
112    add_message( ).  
113    RAISE ledger_determination_failed.  
114  ENDIF.  
115  
116  CLEAR acc_principle.  
117  
118  SELECT SINGLE ldgrp  
119    FROM ztrm_000_t_ledge  
120    INTO @DATA(lv_ldgrp)  
121    WHERE bukrs eq @lv_bukrs.  
122  
123  acc_principle = lv_ldgrp. "bakım tablosu
```

**Class Builder Class CL\_DOCUMENT\_TRAC Display**

The screenshot shows the SAP Class Builder interface. On the left, there's a tree view of the class structure under 'CL\_DOCUMENT\_TRAC'. A method named 'ZTRM\_000\_ENH\_DETERMINE\_LEDGER' is selected, which is described as 'Determine Ledger'. On the right, the code for this method is displayed:

```

Ty. Parameter          Typing Description
LEDGER_DETERMINATION_FAILED Determination of Ledger to be Posted to Failed

Method DETERMINELEDGER active
=====
117  SELECT SINGLE ldgrp
118    FROM ztrm_000_t_ledge
119    INTO @DATA(lv_ldgrp)
120    WHERE bukrs eq @lv_bukrs.
121
122  acc_principle = lv_ldgrp. "Bakım tablosu
123  set_acc_principle( acc_principle ).
124  set_ledgerselection( xledgerselection ). 
125
126  IF xledgerselection = 2.
127
128    IF xspecialledger is INITIAL.
129      MESSAGE x899(tpm_trac1) WITH text-020.
130    ENDIF.
131
132    set_specialledger( xspecialledger ). 
133  ENDIF.
134
135  RETURN.
136
137
138 ENDDOCUMENTATION.
139 *$*$-End: (1) -----
140 ENDMETHOD.

```

Yukarıdaki enhancement yazılan bir yerdi.

Aşağıda paylaşacağım yer ise BADI içindeki bir metottur.

**Business Add-In Builder: Display Implementation ZTRM\_000 TPM ACCIF T**

The screenshot shows the SAP Business Add-In Builder interface. It displays the implementation details for the BADI 'ZTRM\_000 TPM ACCIF T'. The 'Properties' tab is selected, showing the following information:

- Implementation Name: ZTRM\_000 TPM ACCIF T (Active)
- Implementation Short Text: CFM: Paralel değerlendirme alanlarının kayıt arayüzleri
- Definition Name: TPM\_ACCIF\_TRAC
- Runtime Behavior: Implementation will be called

The 'Interface' tab is also visible. Below, a table lists the methods and their implementations:

Method	Implementation type	Description
ACCIT_KUNNR_EXIT	ABAP Code	Changes the Customer Number
ACCIT_LZBKZ_EXIT	ABAP Code	Changes the State Central Bank Indicator
ACCIT_LANDL_EXIT	ABAP Code	Changes the Delivering Country
ACCIT_EXIT	ABAP Code	Changes the Entire Structure
ACCCR_EXIT	ABAP Code	Changes the Amount Information
FLOW_POSTING_RELEVANCE	ABAP Code	Changes the Posting Relevance
TRANS_POSTING_TRAC_ONLY	ABAP Code	Control Transfer of Transaction into Accounting Ledger
ACCTX_EXIT	ABAP Code	Changes Tax Information

Ty.	Parameter	Typing	Description
»	IM_DIS_FLOWTYPE	TYPE TPM_DIS_FLOWTYPE	Update Type
»	IM_DIFF_VALUES	TYPE DIFS_DIFF_VALUES	Structure for Differentiation Values
»	IM_BUSTRANSID	TYPE TPM_BUSTRANSID	Identifier of the Distributor Business Transaction
»	IM_BUSTRANSCAT	TYPE TPM_BUSTRANSCAT	Business Transaction Category
»»	CH_FLG_POSTING_RELEVANT	TYPE XFELD	'X':posting relevant / ' ' not posting relevant
!»	CX_SY_DYN_CALL_ILLEGAL_METHOD		

Method IF\_EX TPM ACCIF TRAC~FLOW\_POSTING\_RELEVANCE active

```

1 | □ METHOD if_ex_tpm_accif_trac~flow_posting_relevance.
2 |
3 | □ IF      im_dis_flowtype           EQ 'MM1907-'  

4 |   AND im_diff_values-product_type CS 'VT'  

5 |   AND im_diff_values-valuation_area NE '001'.  

6 |   CLEAR: ch_flg_posting_relevant.  

7 | ENDIF.  

8 |
9 | ENDMETHOD.

```

# Email attachment with formatted excel file

Monday, February 3, 2025 4:07 PM

```
*&-----*
*& Report ZVR_WM_MAIL_4_UNUSED_MATERIAL
*&
*&-----*
*&
*&
*&-----*
REPORT zvr_wm_mail_4_unused_material.
TYPES : BEGIN OF ty_s032,
         werks TYPE werks_d,
         lgort TYPE lgort_d,
         matnr TYPE matnr,
         mtart TYPE mtart,
         matkl TYPE matkl,
         letztver TYPE letztver,
      END OF ty_s032.
TYPES : BEGIN OF ty_makt,
         matnr TYPE matnr,
         spras TYPE spras,
         maktx TYPE maktx,
      END OF ty_makt.
TYPES : BEGIN OF ty_mard,
         matnr TYPE matnr,
         werks TYPE werks_d,
         lgort TYPE lgort_d,
         labst TYPE labst,
      END OF ty_mard.
TYPES : BEGIN OF ty_mbew,
         matnr TYPE matnr,
         vprsv TYPE vprsv,
         verpr TYPE verpr,
         stprs TYPE stprs,
      END OF ty_mbew.
TYPES : BEGIN OF ty_final,
         matnr TYPE matnr,
         maktx TYPE maktx,
         mtart TYPE mtart,
         matkl TYPE matkl,
         werks TYPE werks_d,
         lgort TYPE lgort_d,
         labst TYPE labst,
         value TYPE char13,"verpr",
      END OF ty_final.
TYPES: BEGIN OF xml_line,
       data(255) TYPE x,
     END OF xml_line.
DATA : it_s032 TYPE STANDARD TABLE OF ty_s032,
      wa_s032 TYPE ty_s032,
      it_makt TYPE STANDARD TABLE OF ty_makt,
      wa_makt TYPE ty_makt,
      it_mard TYPE STANDARD TABLE OF ty_mard,
      wa_mard TYPE ty_mard,
      it_mbew TYPE STANDARD TABLE OF ty_mbew,
      wa_mbew TYPE ty_mbew,
      it_final TYPE STANDARD TABLE OF ty_final,
      wa_final TYPE ty_final.
DATA : it_mail TYPE STANDARD TABLE OF zmail,
      wa_mail TYPE zmail.
DATA : objpack LIKE sopcklistil OCCURS 2 WITH HEADER LINE.
DATA : objhead LIKE solistil OCCURS 1 WITH HEADER LINE.
DATA : objbin LIKE solix OCCURS 10 WITH HEADER LINE.
DATA : objtxt LIKE solistil OCCURS 10 WITH HEADER LINE.
DATA : reclist LIKE somlrecil OCCURS 5 WITH HEADER LINE.
DATA : doc_chng LIKE sodocchg1.
DATA : tab_lines LIKE sy-tabix.
DATA : l_num(3).
DATA : subj_date(10) TYPE c.
DATA : lv_date TYPE char10.
DATA : l_ixml          TYPE REF TO if_ixml,
      l_streamfactory TYPE REF TO if_ixml_stream_factory,
      l_oiostream      TYPE REF TO if_ixml_oiostream,
      l_renderer        TYPE REF TO if_ixml_renderer,
      l_document        TYPE REF TO if_ixml_document.
DATA : l_element_root   TYPE REF TO if_ixml_element,
      ns_attribute      TYPE REF TO if_ixml_attribute,
      r_element_properties TYPE REF TO if_ixml_element,
      r_element         TYPE REF TO if_ixml_element,
```

```

r_worksheet          TYPE REF TO if_ixml_element,
r_table              TYPE REF TO if_ixml_element,
r_column             TYPE REF TO if_ixml_element,
r_row                TYPE REF TO if_ixml_element,
r_cell               TYPE REF TO if_ixml_element,
r_data               TYPE REF TO if_ixml_element,
l_value              TYPE string,
l_type               TYPE string,
l_text(100)          TYPE c,
r_styles              TYPE REF TO if_ixml_element,
r_style              TYPE REF TO if_ixml_element,
r_style1             TYPE REF TO if_ixml_element,
r_format             TYPE REF TO if_ixml_element,
r_border             TYPE REF TO if_ixml_element,
num_rows              TYPE i.
DATA : g_sent_to_all  TYPE sonv-flag,
      g_tab_lines    TYPE i,
      lv_labst       TYPE char17,
      lv_value        TYPE char13.
DATA : l_xml_table    TYPE TABLE OF xml_line,
      wa_xml         TYPE xml_line,
      l_xml_size     TYPE i,
      l_rc           TYPE i.
PARAMETERS : date TYPE letztver DEFAULT sy-datum.
PERFORM get_data.
PERFORM process_xml_data.
PERFORM mail.

*&-----*
*&   Form GET_DATA
*&-----*
*   text
*-----*
* --> p1   text
* <- p2   text
*-----*
FORM get_data .

CALL FUNCTION 'RP_CALC_DATE_IN_INTERVAL'
EXPORTING
  date      = date
  days      = '00'
  months    = '00'
  signum    = '-'
  years     = '01'
IMPORTING
  calc_date = date.

SELECT werks
      lgort
      matnr
      mtart
      matkl
      letztver
FROM s032
INTO TABLE it_s032
WHERE letztver LE date.

IF it_s032 IS NOT INITIAL.
  SELECT matnr
        spras
        maktx
  FROM makt
  INTO TABLE it_makt
  FOR ALL ENTRIES IN it_s032
  WHERE spras = sy-langu AND matnr = it_s032-matnr.

  SELECT matnr
        werks
        lgort
        labst
  FROM mard
  INTO TABLE it_mard
  FOR ALL ENTRIES IN it_s032
  WHERE matnr = it_s032-matnr AND werks = it_s032-werks AND lgort = it_s032-lgort.

  SELECT matnr
        vprsv
        verpr
        stprs
  FROM mbew
  INTO TABLE it_mbew
  FOR ALL ENTRIES IN it_s032
  WHERE matnr = it_s032-matnr.

```

```

ENDIF.

SELECT *
  FROM zmail
  INTO TABLE it_mail.

LOOP AT it_s032 INTO wa_s032.
  IF wa_s032-lgort IS NOT INITIAL.
    wa_final-matnr = wa_s032-matnr.
    READ TABLE it_makt INTO wa_makt WITH KEY matnr = wa_final-matnr.
    IF sy-subrc = 0.
      wa_final-maktx = wa_makt-maktx.
    ENDIF.
    wa_final-mtart = wa_s032-mtart.
    wa_final-matkl = wa_s032-matkl.
    wa_final-werks = wa_s032-werks.
    wa_final-lgort = wa_s032-lgort.
    READ TABLE it_mard INTO wa_mard WITH KEY matnr = wa_s032-matnr werks = wa_s032-werks lgort = wa_s032-lgort.
    IF sy-subrc = 0.
      wa_final-labst = wa_mard-labst.
      IF wa_final-labst IS INITIAL.
        CLEAR : wa_final, wa_makt, wa_mard, wa_s032.
        CONTINUE.
      ENDIF.
    ENDIF.
  ENDIF.
  READ TABLE it_mbew INTO wa_mbew WITH KEY matnr = wa_s032-matnr.
  IF sy-subrc = 0.
    IF wa_mbew-vprsv = 'S'.
      wa_final-value = wa_final-labst * wa_mbew-stprs.
    ELSEIF wa_mbew-vprsv = 'V'.
      wa_final-value = wa_final-labst * wa_mbew-verpr.
    ENDIF.
  ENDIF.
  APPEND wa_final TO it_final.
ENDIF.
CLEAR : wa_final, wa_makt, wa_s032.
ENDLOOP.
ENDFORM.          " GET_DATA
*&-----*
*&  Form PROCESS_XML_DATA
*&-----*
*   text
*-----*
* --> p1   text
* <- p2   text
*-----*

FORM process_xml_data .
* Creating a ixml Factory
  l_ixml = cl_ixml->create( ).
* Creating the DOM Object Model
  l_document = l_ixml->create_document( ).
* Create Root Node 'Workbook'
  l_element_root = l_document->create_simple_element( name = 'Workbook' parent = l_document ).  

  l_element_root->set_attribute( name = 'xmlns' value = 'urn:schemas-microsoft-com:office:spreadsheet' ).  

  ns_attribute = l_document->create_namespace_decl( name = 'ss' prefix = 'xmlns' uri = 'urn:schemas-microsoft-com:office:spreadsheet' ).  

  l_element_root->set_attribute_node( ns_attribute ).  

  ns_attribute = l_document->create_namespace_decl( name = 'x' prefix = 'xmlns' uri = 'urn:schemas-microsoft-com:office:excel' ).  

  l_element_root->set_attribute_node( ns_attribute ).  

* Create node for document properties.
  r_element_properties = l_document->create_simple_element( name = 'MATERIAL_REPORT' parent = l_element_root ).  

  l_value = sy-uname.  

  l_document->create_simple_element( name = 'Author' value = l_value parent = r_element_properties ).  

* Styles
  r_styles = l_document->create_simple_element( name = 'Styles' parent = l_element_root ).  

* Style for Header
  r_style = l_document->create_simple_element( name = 'Style' parent = r_styles ).  

  r_style->set_attribute_ns( name = 'ID' prefix = 'ss' value = 'Header' ).  

  r_format = l_document->create_simple_element( name = 'Font' parent = r_style ).  

  r_format->set_attribute_ns( name = 'Bold' prefix = 'ss' value = '1' ).  

  r_format = l_document->create_simple_element( name = 'Interior' parent = r_style ).  

  r_format->set_attribute_ns( name = 'Color' prefix = 'ss' value = '#92D050' ).  

  r_format->set_attribute_ns( name = 'Pattern' prefix = 'ss' value = 'Solid' ).  

  r_format = l_document->create_simple_element( name = 'Alignment' parent = r_style ).  

  r_format->set_attribute_ns( name = 'Vertical' prefix = 'ss' value = 'Center' ).  

  r_format->set_attribute_ns( name = 'WrapText' prefix = 'ss' value = '1' ).  

  r_border = l_document->create_simple_element( name = 'Borders' parent = r_style ).  

  r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
```

```

r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Bottom' ).  

r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).  

r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).  
  

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).  

r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Left' ).  

r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).  

r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).  
  

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).  

r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Top' ).  

r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).  

r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).  
  

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).  

r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Right' ).  

r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).  

r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).  
  

* Style for Data  

r_style1 = l_document->create_simple_element( name = 'Style' parent = r_styles ).  

r_style1->set_attribute_ns( name = 'ID' prefix = 'ss' value = 'Data' ).  
  

r_border = l_document->create_simple_element( name = 'Borders' parent = r_style1 ).  

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).  

r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Bottom' ).  

r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).  

r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).  
  

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).  

r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Left' ).  

r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).  

r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).  
  

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).  

r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Top' ).  

r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).  

r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).  
  

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).  

r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Right' ).  

r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).  

r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).  
  

* Worksheet  

r_worksheet = l_document->create_simple_element( name = 'Worksheet' parent = l_element_root ).  

r_worksheet->set_attribute_ns( name = 'Name' prefix = 'ss' value = 'Sheet1' ).  
  

* Table  

r_table = l_document->create_simple_element( name = 'Table' parent = r_worksheet ).  

r_table->set_attribute_ns( name = 'FullColumns' prefix = 'x' value = '1' ).  

r_table->set_attribute_ns( name = 'FullRows' prefix = 'x' value = '1' ).  
  

* Column Formatting  

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).  

r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '40' ).  
  

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).  

r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '90' ).  
  

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).  

r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '140' ).  
  

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).  

r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '150' ).  
  

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).  

r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '90' ).  
  

* Blank Row  

r_row = l_document->create_simple_element( name = 'Row' parent = r_table ).  
  

* Column Headers Row  

r_row = l_document->create_simple_element( name = 'Row' parent = r_table ).  

r_row->set_attribute_ns( name = 'AutoFitHeight' prefix = 'ss' value = '1' ).  
  

* Sr. No.  

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).  

r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).  

r_data = l_document->create_simple_element( name = 'Data' value = 'Sr. No.' parent = r_cell ).  

r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).  
  

* Material No.  

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).  

r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).  

r_data = l_document->create_simple_element( name = 'Data' value = 'Material Number' parent = r_cell ).  

r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).  
  

* Material Description  

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).  

r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
```

```

r_data = l_document->create_simple_element( name = 'Data' value = 'Material Description' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Material Type
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Material Type' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Material Group
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Material Group' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Plant
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Plant' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Storage Location
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Storage Location' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Unrestricted Quantity
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Unrestricted Quantity' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Unrestricted Quantity Value
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Unrestricted Quantity Value' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Blank Row after Column Headers
r_row = l_document->create_simple_element( name = 'Row' parent = r_table ).
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

* Data Table
LOOP AT it_final INTO wa_final.

r_row = l_document->create_simple_element( name = 'Row' parent = r_table ).

* Sr. No.
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).
l_value = sy-tabix.
CONDENSE l_value NO-GAPS.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'Number' ). " Cell format

* Material No.
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).
l_value = wa_final-matnr.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format

* Material Description
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).
l_value = wa_final-maktx.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format

* Material Type
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

```

```

l_value = wa_final-mtart.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format
* Material Group
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). " Data
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). " Cell format
l_value = wa_final-matkl.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format
* Plant
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). " Data
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). " Cell format
l_value = wa_final-werks.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format
* Plant
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). " Data
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). " Cell format
l_value = wa_final-lgort.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format
* Unrest. Qty
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). " Data
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). " Cell format
l_value = wa_final-labst.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format
* Unrest. Qty Value
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). " Data
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). " Cell format
l_value = wa_final-value.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format

```

**ENDLOOP.**

\* Creating a Stream Factory

```

l_streamfactory = l_ixml->create_stream_factory().
* Connect Internal XML Table to Stream Factory
l_ostream = l_streamfactory->create_ostream_itable( table = l_xml_table ).
* Rendering the Document
l_renderer = l_ixml->create_renderer( ostream = l_ostream document = l_document ). " Data
l_rc = l_renderer->render().
* Saving the XML Document
l_xml_size = l_ostream->get_num_written_raw().

```

**ENDFORM.** " PROCESS\_XML\_DATA

```

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

```

**FORM** mail .

```

lv_date = sy-datum.
* Mail Subject
doc_chng-obj_name = 'Unused_material_for_1_year'.
CONCATENATE lv_date+6(2)'.' lv_date+4(2)'.' lv_date+0(4) INTO subj_date.
CONCATENATE 'List of unused materials since 1 year,' subj_date INTO doc_chng-obj_descr SEPARATED BY space.

```

```

IF it_final IS NOT INITIAL..
  "Body of the mail
  PERFORM build_body_of_mail
  USING:space,
  'Dear User',
  '',
  'Kindly find the list of unused materials.',
  '',
  'Regards',
  'itsapaber'.
ELSE.
  PERFORM build_body_of_mail
  USING:space,
  'Dear User',
  '',
  'There is no unused materials for past 1 year.',
  '',
  'Regards',
  'itsapaber'.
ENDIF.

```

```

DESCRIBE TABLE objtxt LINES tab_lines.
READ TABLE objtxt INDEX tab_lines.
doc_chng_doc_size = (tab_lines - 1) * 255 + STRLEN( objtxt ).  

* Packing List For the E-mail Body
objpack-head_start = 1.
objpack-head_num = 0.
objpack-body_start = 1.
objpack-body_num = tab_lines.
objpack-doc_type = 'RAW'.
APPEND objpack.  

* Creation of the Document Attachment
LOOP AT l_xml_table INTO wa_xml.
  CLEAR objbin.
  objbin-line = wa_xml-data.
  APPEND objbin.
ENDLOOP.  

DESCRIBE TABLE objbin LINES tab_lines.
objhead = 'Unused Material List'.
APPEND objhead.  

IF it_final IS NOT INITIAL.  

* Packing List For the E-mail Attachment
  objpack-transf_bin = 'X'.
  objpack-head_start = 1.
  objpack-head_num = 0.
  objpack-body_start = 1.
  objpack-body_num = tab_lines.
  CONCATENATE 'Unused_material_ subj_date INTO objpack-obj_descr SEPARATED BY space.
  objpack-doc_type = 'XLS'.
  objpack-doc_size = tab_lines * 255.
  APPEND objpack.
ENDIF.  

* Target Recipient
  

"Receivers List.
LOOP AT it_mail INTO wa_mail.
  IF wa_mail-to_mailid IS NOT INITIAL.
    TRANSLATE wa_mail-to_mailid TO LOWER CASE.
    reclist-rec_type = 'U'. "Internet address
    reclist-receiver = wa_mail-to_mailid.
    reclist-com_type = 'INT'.
    reclist-notif_del = 'X'.
    reclist-notif_ndel = 'X'.
    APPEND reclist.
  ENDIF.
  IF wa_mail-cc_mailid IS NOT INITIAL.
    TRANSLATE wa_mail-cc_mailid TO LOWER CASE.
    reclist-rec_type = 'U'. "Internet address
    reclist-receiver = wa_mail-cc_mailid.
    reclist-com_type = 'INT'.
    reclist-notif_del = 'X'.
    reclist-notif_ndel = 'X'.
    reclist-copy = 'X'. "CC Mail id
    APPEND reclist.
  ENDIF.
  CLEAR :wa_mail.
ENDLOOP.  

* Sending the document
CALL FUNCTION 'SO_NEW_DOCUMENT_ATT_SEND_API1'
  EXPORTING
    document_data          = doc_chng
    put_in_outbox          = 'X'
  TABLES
    packing_list            = objpack
    object_header            = objhead
    contents_txt             = objtxt
    contents_hex              = objbin
    receivers                = reclist
  EXCEPTIONS
    too_many_receivers      = 1
    document_not_sent       = 2
    operation_no_authorization = 4
    OTHERS                   = 99.
  IF sy-subrc = 0.
* MESSAGE i303(me) WITH 'Mail has been Successfully Sent.'.
ELSE.
  WAIT UP TO 2 SECONDS.
  "This program starts the SAPconnect send process.
  SUBMIT rsconn01 WITH mode = 'INT'
  WITH output = 'X'
  AND RETURN.
ENDIF.

```

```
ENDFORM.          " MAIL
*&-----*
*&   Form BUILD_BODY_OF_MAIL
*&-----*
*   text
*-----*
*   -->P_SPACE text
*-----*
FORM build_body_of_mail  USING  l_message.

objtxt = l_message.
APPEND objtxt.
CLEAR objtxt.
ENDFORM.          " BUILD_BODY_OF_MAIL
```

From <<https://itsabaper.blogspot.com/2015/07/email-attachment-with-formatted-excel.html>>

# Mesajı istediğimiz uzunluk kadar bölme işlemi

Tuesday, February 4, 2025 3:49 PM

```
CALL FUNCTION 'TR_SPLIT_TEXT'  
  EXPORTING  
    iv_text  = i_message  
    iv_len   = 20  
  IMPORTING  
    et_lines = lt_lines.
```

# PM01 bilgi tipi yaratma HR

Friday, February 7, 2025 6:37 PM

## "Bilgi tipi özellikleri (uyarlama)" görünümünü görüntüle: Ayrıntılar



Bilgi tipi

9003  gellilik Durumu

### Genel özellikler

Zmn.sınırlaması	<input type="checkbox"/> 3	<input type="checkbox"/> Alt tip zorunlu	<input type="checkbox"/> Muhasebe/Lojistik
Zaman snrl.tb.	<input type="checkbox"/> 1	<input type="checkbox"/> Alt tip tablosu	<input type="checkbox"/> Metin klnb.
Grş.sonrası bkm	<input type="checkbox"/> 1	<input type="checkbox"/> Alt tip mtn.tb.	<input type="checkbox"/> Bilgi tipini kopyala
<input checked="" type="checkbox"/> Erişim yetkisi		<input type="checkbox"/> Alt tip alanı	<input type="checkbox"/> Bilgi tipi öner

### Görüntü ve seçim

Bşl.ile seçim	<input type="checkbox"/> 3	Bşl.tarihsiz	<input type="checkbox"/> 1	Sıralama düzeni	<input type="checkbox"/>
Son trh.ile sgm	<input type="checkbox"/> 5	Son tarih olm.	<input type="checkbox"/> 1	Ecran başlığı	<input type="checkbox"/> 02
Tarihsiz seçim	<input type="checkbox"/> 6	<input type="checkbox"/> Dönem - liste		<input checked="" type="checkbox"/> Veri seçimi	

### Yeniden hesaplama başlatıcısı

<input type="checkbox"/> Y.hspl.öncesi giriş	<input type="checkbox"/> Yen.hspl.snr.zm.giriş	Tarihşede bkm.	<input type="checkbox"/> E
Bordro yn.hspl.	<input type="checkbox"/> R	İVK yeni.hspl.	<input type="checkbox"/> W

### Teknik veriler

Münferit ekran	<input type="checkbox"/> 2000	Diyalog modülü	<input type="checkbox"/> RP_9003
Liste ekranı	<input type="checkbox"/> 3000	Yapı	<input type="checkbox"/> P9003
<input type="checkbox"/> Liste girişи		VT tablosu	<input type="checkbox"/> PA9003

### Başvuru bilgi tipleri

Başvuru VT tb.	<input type="checkbox"/>
----------------	--------------------------

## 2 ay arası gün hesaplama metot

Monday, February 17, 2025 1:40 PM

HR\_JP\_ADD\_MONTH\_TO\_DATE

and pass

current date to the parameter IV\_DATE and

'-2' to the parameter IV\_MONTHCOUNT.

From <<https://community.sap.com/t5/application-development-discussions/calculate-2-months-back/td-p/1511480>>

From <<https://community.sap.com/t5/application-development-discussions/calculate-2-months-back/td-p/1511480>>

## FBL3N alan ekleme

Tuesday, March 11, 2025 11:02 AM

RFPOS ve RFPOSX structure'lara append structure ile ekleme yapılır. Sonrasında RFPOSXEXTEND programı se38'den çalıştırılır ve RFPOSXEXT structure'na bakılır. Otomatik yaratılması beklenir.

İlgili alanların verilerinin dolması için ise BTE 1650 kullanılıyor.

# Marc cuobj ile malzemeye ait karakteristik alma

Friday, March 14, 2025 4:15 PM

Test Function Module: Result Screen	
 Test for function group CEIO Function module VC_I_GET_CONFIGURATION Uppercase/Lowercase <input checked="" type="checkbox"/>	
Runtime: 185.032 Microseconds	
Import parameters	Value
INSTANCE	000000000004726363
BUSINESS_OBJECT	 TR
LANGUAGE	
PRINT_SALES	
PRINT_PURCHASE	
PRINT_ENGINEERING	
IDOC_MODE	
ANW_SICHT	
EXCL_IND	
IV_INVALID_POSSIBLE	
IV_MAX_MASSPROCESSING	0
IV_EXPLICIT_ORGAREA	
IV_NO_DESCRIPTION	
IV_USER	
IV_NO_VALUE_CHECK	X
IV_NO_DIALOG	
IV_DISPLAY_WARNING	
MILL_SE_RECALC	
MILL_SE_EVAL_DK	
Changing parameters	Value
MILL_SE_FATTR	 <Initial>
Result:	
Export parameters	Value
/SAPMP/CONF_RECORD	
Tables	Value
CONFIGURATION	0 Entries
Result:	
CONFIGURATION_IDOC	208 Entries
Result:	
	0 Entries
	208 Entries

Import parameters	Value
INSTANCE	000000000004726363
BUSINESS_OBJECT	 TR
LANGUAGE	
PRINT_SALES	
PRINT_PURCHASE	
PRINT_ENGINEERING	
IDOC_MODE	
ANW_SICHT	
EXCL_IND	
IV_INVALID_POSSIBLE	
IV_MAX_MASSPROCESSING	0
IV_EXPLICIT_ORGAREA	
IV_NO_DESCRIPTION	
IV_USER	
IV_NO_VALUE_CHECK	X
IV_NO_DIALOG	
IV_DISPLAY_WARNING	
MILL_SE_RECALC	
MILL_SE_EVAL_DK	
Changing parameters	Value
MILL_SE_FATTR	 <Initial>
Result:	
Export parameters	Value
/SAPMP/CONF_RECORD	
Tables	Value
CONFIGURATION	0 Entries
Result:	
CONFIGURATION_IDOC	208 Entries
Result:	
	0 Entries
	208 Entries

# Panodan veri yükleme

Thursday, March 20, 2025 12:29 PM

```
METHOD copy_from_clipboard.

DATA: file_table_clip TYPE STANDARD TABLE OF file_table,
      ls_alv_iscilik  TYPE zpm_023_s_iscilik.

CLEAR: file_table_clip, ls_alv_iscilik.

CALL METHOD cl_gui_frontend_services->clipboard_import
      IMPORTING
      data = file_table_clip.

LOOP AT file_table_clip INTO DATA(file_structure_clip).
  CLEAR: ls_alv_iscilik.
  SPLIT file_structure_clip AT cl_abap_char_utilities->horizontal_tab INTO TABLE DATA(lt_splitted).

  DESCRIBE TABLE lt_splitted LINES DATA(lv_lines).

  IF lv_lines EQ 5.

    READ TABLE lt_splitted INDEX 1 INTO DATA(lv_splitted). "personel no
    ls_alv_iscilik-zz_personel = lv_splitted.

    CLEAR:lv_splitted.
    READ TABLE lt_splitted INDEX 2 INTO lv_splitted. "başlangıç tarihi
    CONCATENATE lv_splitted+6(4) lv_splitted+3(2) lv_splitted(2) INTO ls_alv_iscilik-zz_bas_tarih.

    CLEAR:lv_splitted.
    READ TABLE lt_splitted INDEX 3 INTO lv_splitted. "başlangıç saatı
    CONCATENATE lv_splitted(2) lv_splitted+3(2) lv_splitted+6(2) INTO ls_alv_iscilik-zz_bas_saat.

    CLEAR:lv_splitted.
    READ TABLE lt_splitted INDEX 4 INTO lv_splitted. "bitiş tarihi
    CONCATENATE lv_splitted+6(4) lv_splitted+3(2) lv_splitted(2) INTO ls_alv_iscilik-zz_bit_tarih.

    CLEAR:lv_splitted.
    READ TABLE lt_splitted INDEX 5 INTO lv_splitted. "bitiş saatı
    CONCATENATE lv_splitted(2) lv_splitted+3(2) lv_splitted+6(2) INTO ls_alv_iscilik-zz_bit_saat.

    CLEAR:lv_splitted.
    APPEND ls_alv_iscilik TO gt_alv_iscilik.

  ELSE.

    MESSAGE 'Kopyaladığınız verileri kontrol ediniz! Panoyu kontrol ediniz -> ↪(windows) + v!' TYPE 'I'.

  ENDIF.
ENDLOOP.

ENDMETHOD.          "copy_from_clipboard.
```

# EXIT\_SAPLQAAT\_002 -> Kontrol partisi paratma exit

Friday, March 21, 2025 3:16 PM

**Components in SAP Enhancement QAAT0001**

**Function Exits**

Function module	Short Text
EXIT_SAPLQAAT_002	Inspection Type Determination for Variant 01
EXIT_SAPLQMHU_001	Inspection Type Determination in HUM
EXIT_SAPLQPL1_005	Inspection Type Determination for Variant 01

**Function codes**

Program	Code	Short text

**Screen areas**

Calling screen	No.	Area	Called screen	No.	Short Text

**Includes**


# Mail ile 2 excel attachment gönderimi

Monday, March 24, 2025 9:42 AM

```
CONSTANTS:  
  gc_tab  TYPE c VALUE cl_bcs_convert=>gc_tab,  
  gc_crlf TYPE c VALUE cl_bcs_convert=>gc_crlf.  
  
DATA: lv_roles_users_xls  TYPE solix_tab,  
      lv_roles_tcodes_xls TYPE solix_tab.  
  
DATA: size TYPE so_obj_len.  
  
DATA: lt_roles_users  TYPE TABLE OF zoe_s_agr_users,  
      ls_roles_users  TYPE zoe_s_agr_users,  
      lt_roles_tcodes TYPE TABLE OF zoe_s_agr_tcodes,  
      ls_roles_tcodes TYPE zoe_s_agr_tcodes,  
      lv_string        TYPE string.  
  
DATA: lt_fields TYPE abap_component_tab, " Alan bilgilerini saklayacak iç tablo  
      lo_struct  TYPE REF TO cl_abap_structdescr, " Structure tanımı için nesne  
      ls_field   TYPE abap_componentdescr. " Tek tek alanları almak için yapı  
  
CLEAR: lt_roles_tcodes, lt_roles_users, lv_string, lt_fields, lo_struct.  
  
" Mevcut structure'i belirtelim (örn: ZMY_STRUCTURE)  
lo_struct ?= cl_abap_typedescr->describe_by_name( 'ZOE_S_AGR_USERS' ).  
  
" Structure içindeki alanları al  
lt_fields = lo_struct->get_components( ).  
  
DESCRIBE TABLE lt_fields LINES DATA(lv_lines).  
  
LOOP AT lt_fields INTO ls_field.  
  
  DATA(lv_tabix) = sy-tabix.  
  
  IF lv_tabix EQ lv_lines.  
    CONCATENATE lv_string ls_field-name gc_crlf INTO lv_string.  
  ELSE.  
    CONCATENATE lv_string ls_field-name gc_tab INTO lv_string.  
  ENDIF.  
  
ENDLOOP.  
  
SELECT agr_name AS role,  
      uname AS user,  
      from_dat AS from_date,  
      to_dat AS to_date  
FROM agr_users  
INTO CORRESPONDING FIELDS OF TABLE @lt_roles_users.  
  
LOOP AT lt_roles_users INTO ls_roles_users.  
  
  LOOP AT lt_fields INTO ls_field.  
    CLEAR: lv_tabix.  
    lv_tabix = sy-tabix.  
  
    ASSIGN COMPONENT ls_field-name OF STRUCTURE ls_roles_users TO FIELD-SYMBOL(<lv_value>).  
  
    IF lv_tabix EQ lv_lines.  
      IF ls_field-name CP '*DATE*'.  
        CONCATENATE <lv_value>+6(2) '.' <lv_value>+4(2) '.' <lv_value>(4) INTO DATA(lv_date).  
        CONCATENATE lv_string lv_date gc_crlf INTO lv_string.  
      ELSE.  
        CONCATENATE lv_string <lv_value> gc_crlf INTO lv_string.  
      ENDIF.  
  
    ELSE.  
      IF ls_field-name CP '*DATE*'.  
        CONCATENATE <lv_value> gc_crlf INTO lv_string.  
      ENDIF.  
    ENDIF.  
  ENDLOOP.
```

```

    CLEAR: lv_date.
    CONCATENATE <lv_value>+6(2) '.' <lv_value>+4(2) '.' <lv_value>(4) INTO lv_date.
    CONCATENATE lv_string lv_date gc_tab INTO lv_string.
  ELSE.
    CONCATENATE lv_string <lv_value> gc_tab INTO lv_string.
  ENDIF.
ENDIF.

clear: lv_date.

ENDLOOP.

*  CONCATENATE lv_string ls_mus-musteri_no gc_tab ls_mus-musteri_adi gc_crlf INTO lv_string.
ENDLOOP.

cl_bcs_convert=>string_to_solid(
  EXPORTING
    iv_string      = lv_string
    iv_codepage   = '4103'
    iv_add_bom    = 'X'
  IMPORTING
    et_solid       = lv_roles_users_xls
    ev_size        = size ).

"tcodes

CLEAR: lt_roles_users, lv_string, lt_fields, lo_struct, lv_lines, size.

" Mevcut structure'i belirtelim (örn: ZMY_STRUCTURE)
lo_struct ?= cl_abap_typedescr=>describe_by_name( 'ZOE_S_AGR_TCODES' ) .

" Structure içindeki alanları al
lt_fields = lo_struct->get_components( ).

DESCRIBE TABLE lt_fields LINES lv_lines.

LOOP AT lt_fields INTO ls_field.

  CLEAR: lv_tabix.
  lv_tabix = sy-tabix.

  IF lv_tabix EQ lv_lines.
    CONCATENATE lv_string ls_field-name gc_crlf INTO lv_string.
  ELSE.
    CONCATENATE lv_string ls_field-name gc_tab INTO lv_string.
  ENDIF.

ENDLOOP.

SELECT agr_name AS role,
      tcode AS tcodes
    FROM agr_tcodes
    INTO CORRESPONDING FIELDS OF TABLE @lt_roles_tcodes.

LOOP AT lt_roles_tcodes INTO ls_roles_tcodes.

  LOOP AT lt_fields INTO ls_field.
    CLEAR: lv_tabix.
    lv_tabix = sy-tabix.

    ASSIGN COMPONENT ls_field-name OF STRUCTURE ls_roles_tcodes TO <lv_value>.

    IF lv_tabix EQ lv_lines.

      IF ls_field-name CP '*DATE*'.
        CONCATENATE <lv_value>+6(2) '.' <lv_value>+4(2) '.' <lv_value>(4) INTO lv_date.
        CONCATENATE lv_string lv_date gc_crlf INTO lv_string.
      ELSE.
        CONCATENATE lv_string <lv_value> gc_crlf INTO lv_string.
      ENDIF.

    ELSE.


```

ELSE.

```

IF ls_field-name CP '*DATE*'.
  CLEAR: lv_date.
  CONCATENATE <lv_value>+6(2) '.' <lv_value>+4(2) '.' <lv_value>(4) INTO lv_date.
  CONCATENATE lv_string lv_date gc_tab INTO lv_string.
ELSE.
  CONCATENATE lv_string <lv_value> gc_tab INTO lv_string.
ENDIF.
ENDIF.

clear: lv_date.

ENDLOOP.

*  CONCATENATE lv_string ls_mus-musteri_no gc_tab ls_mus-musteri_adi gc_crlf INTO lv_string.
ENDLOOP.

cl_bcs_convert=>string_to_solix(
  EXPORTING
    iv_string      = lv_string
    iv_codepage   = '4103'
    iv_add_bom    = 'X'
  IMPORTING
    et_solix      = lv_roles_tcodes_xls
    ev_size        = size ).

DATA: message  TYPE REF TO cl_bcs,          " envelope
      document  TYPE REF TO cl_document_bcs,    " letter
      mailto    TYPE ad_smtpadr VALUE 'this@example.com',
      mailfrom  TYPE ad_smtpadr VALUE 'that@example.com',
      body_text  TYPE bcsy_text.

message = cl_bcs=>create_persistent( ).  " message = the email itself
APPEND 'Kullanıcı Rolleri ve İşlem Kodu Rolleri eklerdeki excel dosyalarında mevcuttur!' TO body_text.

* think of message as the envelope, and document as the letter.
document = cl_document_bcs=>create_document(
  i_type = 'RAW'
  i_text = body_text                      " again, this is just a table containing your message body
  i_subject = 'TCODE-Rol ve Kullanıcı-Rol atamaları hk.' ).           " subject_line is just text, too

* now you are going to attach your spreadsheet to the letter
document->add_attachment(
  i_attachment_type      = 'xls'
  i_attachment_subject   = 'ROLES_USERS'          " your file name
* i_attachment_size      = size                  " output of the string_to_solix method
  i_att_content_hex      = lv_roles_users_xls ).           " output of the string_to_solix method

document->add_attachment(
  i_attachment_type      = 'xls'
  i_attachment_subject   = 'ROLES_TCODES'          " your file name
* i_attachment_size      = size                  " output of the string_to_solix method
  i_att_content_hex      = lv_roles_tcodes_xls ).           " output of the string_to_solix method

* next, put the letter in the envelope
message->set_document( document ).
DATA recipient      TYPE REF TO if_recipient_bcs.

* write the addresses on the envelope
recipient = cl_cam_address_bcs=>create_internet_address( mailto ).

message->add_recipient( recipient ).
DATA sent_to_all     TYPE os_boolean.

* finally, send the envelope on its way
sent_to_all = message->send( i_with_error_screen = 'X' ).
IF sy-subrc IS INITIAL.
  COMMIT WORK AND WAIT.
ENDIF.

```

## FI Belgesi Yaratma Metot örnek

Thursday, March 27, 2025 1:36 PM

```
DATA: ls_bapiache09 TYPE bapiache09,
      lt_bapiaccr09 TYPE TABLE OF bapiaccr09,
      ls_bapiaccr09 TYPE bapiaccr09,
      lt_bapiacg109 TYPE TABLE OF bapiacg109,
      ls_bapiacg109 TYPE bapiacg109,
      lt_bapiret2 TYPE TABLE OF bapiret2,
      ls_rollback TYPE bapiret2,
      lv_obj_key TYPE bapiache09-obj_key.

DATA : lt_selected_rows TYPE lvc_t_row,
       ls_rows          TYPE lvc_s_row,
       lt_row_no        TYPE lvc_t_roid.
*   DATA: lv_flag TYPE xfeld.
* DATA: lv_flag_157_621 TYPE xfeld,
*       lv_flag_153_157 TYPE xfeld,
*       lt_153_621      TYPE TABLE OF zsd039_t_153_621,
*       ls_153_621      TYPE zsd039_t_153_621.

CLEAR: lv_flag_153_157, lv_flag_157_621, lt_153_621, ls_153_621.
* "end:153-157 için oluşturuldu-OELMACI/GKAZANCI-17.03.2025

DATA:lv_index TYPE i.

CALL METHOD mo_main->mo_alv_grid->get_selected_rows
  IMPORTING
    et_index_rows = lt_selected_rows[]
    et_row_no     = lt_row_no[].

lv_index = 1.

LOOP AT lt_selected_rows INTO DATA(ls_row).
  READ TABLE mo_main->mt_alv ASSIGNING FIELD-SYMBOL(<fs_alv_temp>) INDEX ls_row-index.
  IF sy-subrc EQ 0.

    lv_index = 1.

    SELECT matnr,
          ktgrm,
          posnr,
          vbeln
    FROM vbrp
    INTO TABLE @DATA(lt_vbrp)
    WHERE vbeln EQ @<fs_alv_temp>-vbeln.

    IF sy-subrc IS INITIAL.

*   "beg:153-157 için oluşturuldu-OELMACI/GKAZANCI-17.03.2025
*   CLEAR lv_flag.

      IF <fs_alv_temp>-belnr_bapi_153_157 IS INITIAL.
        LOOP AT lt_vbrp ASSIGNING FIELD-SYMBOL(<fs_vbrp>).

          ls_bapiache09-ref_doc_no = <fs_alv_temp>-awkey.

          ls_bapiache09-comp_code = p_bukrs.
          ls_bapiache09-doc_date = sy-datum.

          ls_bapiache09-header_txt = 'SMM KAYDI'.
          ls_bapiache09-pstng_date = <fs_alv_temp>-kyttr_153_157.

          ls_bapiache09-doc_type = 'IF'.

          ls_bapiache09-username = sy-uname.
          ls_bapiache09-bus_act = 'RFBU' .

          ls_bapiaccr09-itemno_acc = lv_index.
          ls_bapiaccr09-curr_type = '00'.
          ls_bapiaccr09-currency = <fs_alv_temp>-h_hwaer.
          ls_bapiaccr09-amt_doccur_long = SWITCH #( <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbr * -1
                                              WHEN 'H' THEN <fs_alv_temp>-dmbr ) .

          APPEND ls_bapiaccr09 TO lt_bapiaccr09.
          CLEAR ls_bapiaccr09.

          ls_bapiaccr09-itemno_acc = lv_index.
          ls_bapiaccr09-curr_type = '30'.
          ls_bapiaccr09-currency = <fs_alv_temp>-h_hwae2.
          ls_bapiaccr09-amt_doccur_long = SWITCH #( <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbe2 * -1
                                              WHEN 'H' THEN <fs_alv_temp>-dmbe2 ) .

          APPEND ls_bapiaccr09 TO lt_bapiaccr09.
          CLEAR ls_bapiaccr09.

          ls_bapiaccr09-itemno_acc = lv_index.
          ls_bapiaccr09-curr_type = '40'.
          ls_bapiaccr09-currency = <fs_alv_temp>-h_hwae3.
          ls_bapiaccr09-amt_doccur_long = SWITCH #( <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbe3 * -1
                                              WHEN 'H' THEN <fs_alv_temp>-dmbe3 ) .

          APPEND ls_bapiaccr09 TO lt_bapiaccr09.
          CLEAR ls_bapiaccr09.

    ENDLOOP.
*   ENDIF.
*   CLEAR lv_flag.

  ENDIF.
*   CLEAR lv_flag.

ENDLOOP.
```

```

ls_bapiaccr09-itemno_acc = lv_index + 1.
ls_bapiaccr09-curr_type = '00'.
ls_bapiaccr09-currency = <fs_alv_temp>-h_hwaer.
ls_bapiaccr09-amt_doccur_long = SWITCH #( <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbr
                                         WHEN 'H' THEN <fs_alv_temp>-dmbr * -1 ) .

APPEND ls_bapiaccr09 TO lt_bapiaccr09.
CLEAR ls_bapiaccr09.

ls_bapiaccr09-itemno_acc = lv_index + 1.
ls_bapiaccr09-curr_type = '30'.
ls_bapiaccr09-currency = <fs_alv_temp>-h_hwae2.
ls_bapiaccr09-amt_doccur_long = SWITCH #( <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbe2
                                         WHEN 'H' THEN <fs_alv_temp>-dmbe2 * -1 ) .

APPEND ls_bapiaccr09 TO lt_bapiaccr09.
CLEAR ls_bapiaccr09.

ls_bapiaccr09-itemno_acc = lv_index + 1.
ls_bapiaccr09-curr_type = '40'.
ls_bapiaccr09-currency = <fs_alv_temp>-h_hwae3.
ls_bapiaccr09-amt_doccur_long = SWITCH #( <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbe3
                                         WHEN 'H' THEN <fs_alv_temp>-dmbe3 * -1 ) .

APPEND ls_bapiaccr09 TO lt_bapiaccr09.
CLEAR ls_bapiaccr09.

ls_bapiacgl09-itemno_acc = lv_index.

ls_bapiacgl09-gl_account = '1570101001'.

ls_bapiacgl09-ref_key_2 = <fs_alv_temp>-awkey.
ls_bapiacgl09-material = <fs_vbrp>-matnr.

APPEND ls_bapiacgl09 TO lt_bapiacgl09.

CLEAR ls_bapiacgl09.

ls_bapiacgl09-itemno_acc = lv_index + 1.
ls_bapiacgl09-gl_account = '1531010006'.
ls_bapiacgl09-ref_key_2 = <fs_alv_temp>-awkey.
ls_bapiacgl09-material = <fs_vbrp>-matnr.

APPEND ls_bapiacgl09 TO lt_bapiacgl09.

lv_index = lv_index + 2.

ENDLOOP.

CALL FUNCTION 'BAPI_ACC_DOCUMENT_POST'
  EXPORTING
    documentheader = ls_bapiache09
  IMPORTING
    obj_key       = lv_obj_key
  TABLES
    accountgl     = lt_bapiacgl09
    currencyamount = lt_bapiaccr09
    return        = lt_bapiret2.

LOOP AT lt_bapiret2 INTO DATA(ls_return) WHERE type CA 'EAX'.
  CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'
    IMPORTING
      return = ls_rollback.
  lv_flag_153_157 = 'X'.
  <fs_alv_temp>-mesaj_153_157 = ls_return-message.
  EXIT.
ENDLOOP.
IF lv_flag_153_157 IS INITIAL.
  CALL FUNCTION 'BAPI_TRANSACTION_COMMIT'
    EXPORTING
      wait = 'X'.
    <fs_alv_temp>-belnr_bapi_153_157 = lv_obj_key+0(10).
ENDIF.

CLEAR ls_bapiache09.
REFRESH lt_bapiacgl09.
REFRESH lt_bapiaccr09.
REFRESH lt_bapiret2.

ENDIF.

IF <fs_alv_temp>-belnr_bapi_157_621 IS INITIAL.
  LOOP AT lt_vbrp ASSIGNING <fs_vbrp>.

    ls_bapiache09-ref_doc_no = <fs_alv_temp>-awkey.

    ls_bapiache09-comp_code = p_bukrs.
    ls_bapiache09-doc_date = sy-datum.

    ls_bapiache09-header_txt = 'SMM KAYDI' .
*-Hteymur/Bdönmez 02.01.2025
*   ls_bapiache09-pstng_date = p_budat.
    ls_bapiache09-pstng_date = <fs_alv_temp>-kyttr_157_621. "<fs_alv_temp>-
kyttr."157-621 için olacak şekilde tarih ismi revize edildi-OELMACI/GKAZANCI-17.03.2025
*
    ls_bapiache09-doc_type = 'IC'.
    ls_bapiache09-doc_type = 'IF'.
*) Hteymur/Bdönmez 02.01.2025

```

```

ls_bapiache09-username = sy-uname.
ls_bapiache09-bus_act = 'RFBU' .

*
ls_bapiaccr09-itemno_acc = '0000000001'.
ls_bapiaccr09-itemno_acc = lv_index.
ls_bapiaccr09-curr_type = '00'.
ls_bapiaccr09-currency = <fs_alv_temp>-h_hwaer.
ls_bapiaccr09-amt_doccur_long = SWITCH #(
    <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbr * -1
    WHEN 'H' THEN <fs_alv_temp>-dmbr ) .

APPEND ls_bapiaccr09 TO lt_bapiaccr09.
CLEAR ls_bapiaccr09.

*
ls_bapiaccr09-itemno_acc = '0000000001'.
ls_bapiaccr09-itemno_acc = lv_index.
ls_bapiaccr09-curr_type = '30'.
ls_bapiaccr09-currency = <fs_alv_temp>-h_hwae2.
ls_bapiaccr09-amt_doccur_long = SWITCH #(
    <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbe2 * -1
    WHEN 'H' THEN <fs_alv_temp>-dmbe2 ) .

APPEND ls_bapiaccr09 TO lt_bapiaccr09.
CLEAR ls_bapiaccr09.

*
ls_bapiaccr09-itemno_acc = '0000000001'.
ls_bapiaccr09-itemno_acc = lv_index.
ls_bapiaccr09-curr_type = '40'.
ls_bapiaccr09-currency = <fs_alv_temp>-h_hwae3.
ls_bapiaccr09-amt_doccur_long = SWITCH #(
    <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbe3 * -1
    WHEN 'H' THEN <fs_alv_temp>-dmbe3 ) .

APPEND ls_bapiaccr09 TO lt_bapiaccr09.
CLEAR ls_bapiaccr09.

*
ls_bapiaccr09-itemno_acc = '0000000002'.
ls_bapiaccr09-itemno_acc = lv_index + 1.
ls_bapiaccr09-curr_type = '00'.
ls_bapiaccr09-currency = <fs_alv_temp>-h_hwaer.
ls_bapiaccr09-amt_doccur_long = SWITCH #(
    <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbr
    WHEN 'H' THEN <fs_alv_temp>-dmbr * -1 ) .

APPEND ls_bapiaccr09 TO lt_bapiaccr09.
CLEAR ls_bapiaccr09.

*
ls_bapiaccr09-itemno_acc = '0000000002'.
ls_bapiaccr09-itemno_acc = lv_index + 1.
ls_bapiaccr09-curr_type = '30'.
ls_bapiaccr09-currency = <fs_alv_temp>-h_hwae2.
ls_bapiaccr09-amt_doccur_long = SWITCH #(
    <fs_alv_temp>-shkzg WHEN 'S' THEN <fs_alv_temp>-dmbe2
    WHEN 'H' THEN <fs_alv_temp>-dmbe2 * -1 ) .

APPEND ls_bapiaccr09 TO lt_bapiaccr09.
CLEAR ls_bapiaccr09.

*
ls_bapiacgl09-itemno_acc = '0000000001'.
ls_bapiacgl09-itemno_acc = lv_index.

SELECT SINGLE * FROM zsd_039_t_mlyt_k
    INTO @DATA(ls_mlyt)
    WHERE ktgrm EQ @<fs_vbrp>-ktgrm.

IF sy-subrc IS INITIAL.

    ls_bapiacgl09-gl_account = ls_mlyt-anahesap.

ENDIF.

*
ls_bapiacgl09-gl_account = '6210090000'.
ls_bapiacgl09-ref_key_2 = <fs_alv_temp>-awkey.
ls_bapiacgl09-material = <fs_vbrp>-matnr.

APPEND ls_bapiacgl09 TO lt_bapiacgl09.

CLEAR ls_bapiacgl09.

*
ls_bapiacgl09-itemno_acc = '0000000002'.
ls_bapiacgl09-itemno_acc = lv_index + 1.
*-HTeymur/Bdönmez 05.02.2025(
*
ls_bapiacgl09-gl_account = '1531010001'.
ls_bapiacgl09-gl_account = '1570101001'."'1531010006'."157-621 için olacak şekilde revize edildi-OELMACI/GKAZANCI-17.03.2025
*)HTeymur/Bdönmez 05.02.2025
ls_bapiacgl09-ref_key_2 = <fs_alv_temp>-awkey.
ls_bapiacgl09-material = <fs_vbrp>-matnr.

APPEND ls_bapiacgl09 TO lt_bapiacgl09.

lv_index = lv_index + 2.

ENDLOOP.

```

```

CALL FUNCTION 'BAPI_ACC_DOCUMENT_POST'
EXPORTING
  documentheader = ls_bapiache09
IMPORTING
  obj_key       = lv_obj_key
TABLES
  accountgl      = lt_bapiacg109
  currencyamount = lt_bapiaccr09
  return        = lt_bapiret2.

LOOP AT lt_bapiret2 INTO ls_return WHERE type CA 'EAX'.
  CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'
    IMPORTING
      return = ls_rollback.
  lv_flag_157_621 = 'X'. "lv_flag = 'X'.
  <fs_alv_temp>-icon = mc_red.
  <fs_alv_temp>-mesaj = ls_return-message.
  <fs_alv_temp>-mesaj_157_621 = ls_return-message.
  EXIT.
ENDLOOP.
IF lv_flag_157_621 IS INITIAL. "lv_flag IS INITIAL.
  CALL FUNCTION 'BAPI_TRANSACTION_COMMIT'
    EXPORTING
      wait = 'X'.
  <fs_alv_temp>-icon = mc_green.
  <fs_alv_temp>-belnr_bapi = lv_obj_key+0(10).
  <fs_alv_temp>-belnr_bapi_157_621 = lv_obj_key+0(10).
ENDIF.

CLEAR ls_bapiache09.
REFRESH lt_bapiacg109.
REFRESH lt_bapiaccr09.
REFRESH lt_bapiret2.

ENDIF.

IF <fs_alv_temp>-belnr_bapi_153_157 IS NOT INITIAL AND
<fs_alv_temp>-belnr_bapi_157_621 IS NOT INITIAL.

  <fs_alv_temp>-icon = mc_green.

ELSEIF ( <fs_alv_temp>-belnr_bapi_153_157 IS NOT INITIAL AND <fs_alv_temp>-belnr_bapi_157_621 IS INITIAL ) OR
( <fs_alv_temp>-belnr_bapi_157_621 IS NOT INITIAL AND <fs_alv_temp>-belnr_bapi_153_157 IS INITIAL ).

  <fs_alv_temp>-icon = mc_yellow.

ELSE.

  <fs_alv_temp>-icon = mc_red.

ENDIF.

MOVE-CORRESPONDING <fs_alv_temp> TO ls_153_621.

APPEND ls_153_621 TO lt_153_621.

MODIFY zsd039_t_153_621 FROM TABLE lt_153_621.

CLEAR: lv_flag_153_157, lv_flag_157_621, lt_153_621, ls_153_621.

"end:153-157 için oluşturuldu-OELMACT/GKAZANCI-17.03.2025
ENDIF.
ENDIF.
ENDLOOP.

```

# Çoklu Bakım tablosu gösterme işlemi

Wednesday, May 7, 2025 4:17 PM

**Display Parameter Transaction**

Transaction code	ZFI0131
Package	ZFI_001
Transaction text	Fatura Oluşturma Bakımı Tablolar
Default values for	
Transaction	SM34
<input checked="" type="checkbox"/> Skip initial screen	
Obsolete: Use default values for transaction	
Screen	0
From module pool	
Classification	
<input type="checkbox"/> Inherit GUI attributes	
Transaction classification	
<input checked="" type="radio"/> Professional User Transaction	
<input type="radio"/> Easy Web Transaction	Hizmet
<input type="checkbox"/> Pervasive enabled	
GUI support	
<input checked="" type="checkbox"/> SAP GUI for HTML	
<input checked="" type="checkbox"/> SAP GUI for Java	
<input checked="" type="checkbox"/> SAP GUI for Windows	
Default Values	
Name of screen field	Value
VCLDIR-VCLNAME	ZFI_001_V_FATURA
UPDATE	X

**"TURKCELL Excel Upload" görünümünü değiştir: Genel bakış**

Yeni girişler

TURKCELL Excel Upload							
Sipariş	ŞK	İA	Satıcı	Ana hesap	Ana hesap	Ana hesap	
T-5303150001	3000	Q01	2000000104	7600101001	6890101099	6890101009	
T-5304606059	3000	3001	2000000104	7600101001	6890101099	6890101009	
T5497256203	3000	3001	2000000104	7600101001	6890101099	6890101009	
T5990990098	3000	3001	2000000104	7600101001	6890101099	6890101009	
T5990990099	2000		2000000104	7600101001	6890101099	6890101009	
T5990990100	2000		2000000104	7600101001	6890101099	6890101099	

[https://help.sap.com/docs/SUPPORT\\_CONTENT/abap/3353523545.html?locale=en-US](https://help.sap.com/docs/SUPPORT_CONTENT/abap/3353523545.html?locale=en-US)

# Mail sender

Monday, May 12, 2025 2:29 PM

CL\_BCS->SET\_SENDER. See report BCS\_EXAMPLE\_1.

From <<https://community.sap.com/t5/application-development-and-automation-discussions/set-specific-sender-when-sending-email-using-cl-bcs-class/m-p/10958405>>

# At-selection screen cursor örnek

Wednesday, May 14, 2025 2:15 PM

```
METHOD at_selection_screen.  
  
  IF sy-ucomm EQ 'ONLI'.  
  
    DATA: lv_field TYPE dynfnam.  
  
    IF p_bukrs IS INITIAL.  
      lv_field = 'P_BUKRS'.  
      SET CURSOR FIELD lv_field.  
      MESSAGE e003.  
    ENDIF.  
  
    IF p_rldnr IS INITIAL.  
      lv_field = 'P_RLDNR'.  
      SET CURSOR FIELD lv_field.  
      MESSAGE e004.  
    ENDIF.  
  
    IF p_gjahr IS INITIAL.  
      lv_field = 'P_GJAHR'.  
      SET CURSOR FIELD lv_field.  
      MESSAGE e005.  
    ENDIF.  
  
    IF p_poper IS INITIAL.  
      lv_field = 'P_POPER'.  
      SET CURSOR FIELD lv_field.  
      MESSAGE e006.  
    ENDIF.  
  
    IF p_budat IS INITIAL.  
      lv_field = 'P_BUDAT'.  
      SET CURSOR FIELD lv_field.  
      MESSAGE e007.  
    ENDIF.  
  
    IF p_bktxt IS INITIAL.  
      lv_field = 'P_BKTXT'.  
      SET CURSOR FIELD lv_field.  
      MESSAGE e008.  
    ENDIF.  
  
    IF p_blart IS INITIAL.  
      lv_field = 'P_BLART'.  
      SET CURSOR FIELD lv_field.  
      MESSAGE e009.  
    ENDIF.  
  
  ENDIF.  
  
  CASE sscrfields-ucomm.  
    WHEN 'FC01'.  
      CALL TRANSACTION 'ZFI1002'.  
  ENDCASE.  
  
ENDMETHOD.
```

# MIRO Ekranı başlık verileri kontrol

Monday, June 23, 2025 4:25 PM

<https://community.sap.com/t5/application-development-and-automation-discussions/after-giving-error-message-how-to-make-field-ready-for-input-again-in-miro/mp/6848382>

"beg:MM:9003794858-Miro ekranındaki kayıt tarihi ve fatura tarihinin yıllarının aynı olmaması halinde hata alınması sağlandı-OELMACI/BOZDEN-23.06.2025

IF sy-tcode EQ 'MIRO'.

DATA: lt\_errtab TYPE TABLE OF mrm\_errprot,  
ls\_errtab TYPE mrm\_errprot.

CONSTANTS: lc\_errprot(23) TYPE c VALUE '(SAPLMRMF)TAB\_ERRPROT[]'.

FIELD-SYMBOLS: <lfs\_errprot> TYPE table.

ASSIGN (lc\_errprot) TO <lfs\_errprot>.

REFRESH lt\_errtab[].

lt\_errtab[] = <lfs\_errprot>[].

\* First clear the message because the user might have corrected

\* the situation that causes the error

LOOP AT lt\_errtab INTO ls\_errtab WHERE msgty = 'E'

AND msgid = 'ZMM'

AND msgno = '031'.

DELETE lt\_errtab INDEX sy-tabix.

ENDLOOP.

<lfs\_errprot>[] = lt\_errtab[].

\* if the condition is not met, trigger the message

IF i\_rbkpv-bldat(4) NE i\_rbkpv-budat(4).

CLEAR: ls\_errtab.

ls\_errtab-msgty = 'E'.

ls\_errtab-msgid = 'ZMM'.

ls\_errtab-msgno = '031'.

ls\_errtab-source = 'EC'.

APPEND ls\_errtab TO lt\_errtab.

CALL FUNCTION 'MRM\_PROT\_FILL'

TABLES

  t\_errprot = lt\_errtab.

ENDIF.

ENDIF.

"end:MM:9003794858-Miro ekranındaki kayıt tarihi ve fatura tarihinin yıllarının aynı olmaması halinde hata alınması sağlandı-OELMACI/BOZDEN-23.06.2025

# IW31 için kontroller

Thursday, June 26, 2025 5:25 PM

```
*&-----  
*& Include           ZXW01U04  
*&-----  
*  
DATA: lv_swerk      TYPE swerk,  
      lv_bukrs     TYPE bukrs,  
      lv_message    TYPE string.  
  
IF sy-tcode EQ 'IW31'.  
  
  LOOP AT SCREEN.  
  
    ENDLOOP.  
  
    IF screen-name EQ 'OK-CODE' OR sy-ucomm IS INITIAL OR sy-ucomm EQ 'I_EQ' OR sy-ucomm EQ 'OPT1' OR sy-ucomm EQ 'OPT2'.  
  
      SELECT uretimyeri  
        FROM zpm_kllnc_uy_esl  
        WHERE kullanici_adi EQ @sy-uname  
        INTO TABLE @DATA(lt_werks).  
  
      SELECT SINGLE iwerk  
        FROM iflot  
        WHERE tplnr EQ @caufvd_imp-tplnr  
        INTO @DATA(lv_iwerk).  
  
*-Hteymur/Baltay 20.062025 (  
  SELECT SINGLE swerk,bukrs FROM itob  
  WHERE equnr EQ @caufvd_imp-equnr  
  AND ( swerk IS NOT INITIAL OR bukrs IS NOT INITIAL )  
  INTO ( @lv_swerk,@lv_bukrs ).  
*- ) Hteymur/Baltay 20.062025  
*  IF sy-subrc IS INITIAL.  
  
  CASE caufvd_imp-werks.  
    WHEN '2001'.  
  
      LOOP AT lt_werks TRANSPORTING NO FIELDS WHERE uretimyeri EQ '3001' OR uretimyeri EQ '3003'.  
        EXIT.  
      ENDLOOP.  
*-Hteymur/Baltay 20.062025 ( werks ve bukrs şartı eklenindi."OELMACI/BALTAY-yorumla alındı-25.06.2025  
  IF sy-subrc IS INITIAL. "OR lv_swerk EQ '3001' OR lv_swerk EQ '3003' OR lv_bukrs EQ '3000'.  
  
  READ TABLE lt_werks WITH KEY uretimyeri = caufvd_imp-werks TRANSPORTING NO FIELDS.  
  
  IF sy-subrc IS NOT INITIAL.  
    MESSAGE '3001 veya 3003 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.  
  ENDIF.  
  
  ENDIF.  
  
"beg:OELMACI/BALTAY-eklendi-25.06.2025  
IF lv_swerk EQ '3001' OR lv_swerk EQ '3003' OR lv_bukrs EQ '3000'.  
  CLEAR: lv_message.  
  lv_message = | İlgili ekipman { caufvd_imp-werks } üretim yerine ait değildir! |.  
  MESSAGE lv_message TYPE 'E'.  
*   MESSAGE '3001 veya 3003 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.  
ENDIF.  
"end:OELMACI/BALTAY-eklendi-25.06.2025  
  
WHEN '3001'.  
  
  LOOP AT lt_werks TRANSPORTING NO FIELDS WHERE uretimyeri EQ '2001'.  
    EXIT.  
  ENDLOOP.  
  
*-Hteymur/Baltay 20.062025 ( werks ve bukrs şartı eklenindi."OELMACI/BALTAY-yorumla alındı-25.06.2025  
  IF sy-subrc IS INITIAL. "OR lv_swerk EQ '2001' OR lv_bukrs EQ '2000'..  
  
  READ TABLE lt_werks WITH KEY uretimyeri = caufvd_imp-werks TRANSPORTING NO FIELDS.  
  
  IF sy-subrc IS NOT INITIAL.  
    MESSAGE '2001 üretim yerindeki kullanıcı 3001 üretim yerine sipariş açamaz!' TYPE 'E'.  
  ENDIF.
```

```

ENDIF.

"beg:OELMACI/BALTAY-eklendi-25.06.2025
IF lv_swerk EQ '2001' OR lv_bukrs EQ '2000'.
  CLEAR: lv_message.
  lv_message = | İlgili ekipman { caufvd_imp-werks } üretim yerine ait değildir! |.
  MESSAGE lv_message TYPE 'E'.
*   MESSAGE '2001 üretim yerindeki kullanıcı 3001 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.

IF lv_iwerk EQ '2001'.
  CLEAR: lv_message.
  lv_message = | İlgili teknik birim { caufvd_imp-werks } üretim yerine ait değildir! |.
  MESSAGE lv_message TYPE 'E'.
*   MESSAGE '2001 üretim yerindeki kullanıcı 3001 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.
"end:OELMACI/BALTAY-eklendi-25.06.2025

WHEN '3003'.
  LOOP AT lt_werks TRANSPORTING NO FIELDS WHERE uretimyeri EQ '2001'.
    EXIT.
  ENDLOOP.

*-Hteymur/Baltay 20.062025 ( werks ve bukrs şartı eklendi."OELMACI/BALTAY-yorumla alındı-25.06.2025
IF sy-subrc IS INITIAL. "OR lv_swerk EQ '2001' OR lv_bukrs EQ '2000'..
  READ TABLE lt_werks WITH KEY uretimyeri = caufvd_imp-werks TRANSPORTING NO FIELDS.

  IF sy-subrc IS NOT INITIAL.
    MESSAGE '2001 üretim yerindeki kullanıcı 3003 üretim yerine sipariş açamaz!' TYPE 'E'.
  ENDIF.

ENDIF.

"beg:OELMACI/BALTAY-eklendi-25.06.2025
IF lv_swerk EQ '2001' OR lv_bukrs EQ '2000'.
  CLEAR: lv_message.
  lv_message = | İlgili ekipman { caufvd_imp-werks } üretim yerine ait değildir! |.
  MESSAGE lv_message TYPE 'E'.
*   MESSAGE '2001 üretim yerindeki kullanıcı 3003 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.

IF lv_iwerk EQ '2001'.
  CLEAR: lv_message.
  lv_message = | İlgili teknik birim { caufvd_imp-werks } üretim yerine ait değildir! |.
  MESSAGE lv_message TYPE 'E'.
*   MESSAGE '2001 üretim yerindeki kullanıcı 3003 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.
"end:OELMACI/BALTAY-eklendi-25.06.2025

WHEN OTHERS.
ENDCASE.

* ELSE.
**-Hteymur/Baltay 20.062025 (
**   MESSAGE 'ZPM_KLLNC_UY_ESL bakım tablosundan bakım yapınız!' TYPE 'E'.
**- ) Hteymur/Baltay 20.062025
* ENDIF.

* SELECT SINGLE uretimyeri
*   FROM zpm_kllnc_uy_esl
*     WHERE kullanici_adi EQ @sy-uname
*       INTO @DATA(lv_werks).
*
* IF sy-subrc IS INITIAL.
*   CASE lv_werks.
*     WHEN '2001'.
*       IF caufvd_imp-werks EQ '3001' OR caufvd_imp-werks EQ '3003'.
*         MESSAGE '2001 üretim yerindeki kullanıcı 3001 veya 3003 üretim yerine sipariş açamaz!' TYPE 'E'.
*       ENDIF.
*     WHEN '3001'.
*       IF caufvd_imp-werks EQ '2001'.
*         MESSAGE '3001 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.
*       ENDIF.
*     WHEN '3003'.
*       IF caufvd_imp-werks EQ '2001'.
*         MESSAGE '3003 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.
*       ENDIF.
*     WHEN OTHERS.
*   ENDCASE.
*
ELSE.
  MESSAGE 'ZPM_KLLNC_UY_ESL bakım tablosundan bakım yapınız!' TYPE 'E'.
ENDIF.

IF ( caufvd_imp-werks EQ '3001' OR caufvd_imp-werks EQ '3003' ) AND caufvd_imp-gsber NE '3001'.
  MESSAGE '3001 veya 3003 üretim yeri seçildiğinde, iş Alanı 3001 olmalıdır!' TYPE 'E'.

```

```

ENDIF.

ELSEIF sy-ucomm EQ 'RFSH'.

ENDIF.

ENDIF.

*&-----*
*& Include           ZXWOCU10
*&-----*

* -----
***"Lokale Schnittstelle:
** IMPORTING
**   VALUE(I_TQ80) LIKE TQ80 STRUCTURE TQ80
**   VALUE(I_VRGNG) LIKE TJ01-VRGNG OPTIONAL
**   VALUE(I_AKTYP) LIKE T365-AKTYP
**   VALUE(I_VIQMEL) LIKE VIQMEL STRUCTURE VIQMEL
**   VALUE(I_OBJNR) LIKE VIQMEL-OBJNR OPTIONAL
**   VALUE(I_UMODE) TYPE C OPTIONAL
** TABLES
**   T_VIQMFE STRUCTURE WQMFE OPTIONAL
**   T_VIQMUR STRUCTURE WQMUR OPTIONAL
**   T_VIQMMA STRUCTURE WQMMA OPTIONAL
**   T_VIQMSM STRUCTURE WQMSM OPTIONAL
** EXCEPTIONS
**   NO_STATUS_CHANGE
*-----

DATA: lv_swerk    TYPE swerk,
      lv_bukrs   TYPE bukrs,
      lv_message  type string.

ASSIGN ('(SAPLCOIH)CAUFVD-GSBER') TO FIELD-SYMBOL(<test>).

IF sy-tcode EQ 'IW31'.

  IF sy-ucomm IS INITIAL OR sy-ucomm EQ 'I_EQ' or sy-ucomm eq 'OPT1' OR sy-ucomm EQ 'OPT2'.

    SELECT uretimyeri
      FROM zpm_kllnc_uy_esl
      WHERE kullanici_adi EQ @sy-uname
      INTO TABLE @DATA(lt_werks).

    SELECT SINGLE iwerk
      FROM iflot
      WHERE tpltlr EQ @i_viqmel-tpltlr
      INTO @DATA(lv_iwerk).

*-Hteymur/Baltay 20.062025 (
  SELECT SINGLE swerk FROM v_equi
  WHERE equnr EQ @i_viqmel-equnr
  AND swerk IS NOT INITIAL
  INTO ( @lv_swerk ).

  IF lv_swerk IS INITIAL.
    SELECT SINGLE bukrs FROM v_equi
    WHERE equnr EQ @i_viqmel-equnr
    AND bukrs IS NOT INITIAL
    INTO ( @lv_bukrs ).
  ENDIF.
*) Hteymur/Baltay 20.062025

*  IF sy-subrc IS INITIAL.

  CASE i_viqmel-iwerk.
    WHEN '2001'.

      LOOP AT lt_werks TRANSPORTING NO FIELDS WHERE uretimyeri EQ '3001' OR uretimyeri EQ '3003'.
        EXIT.
      ENDLOOP.

    IF sy-subrc IS INITIAL.

      READ TABLE lt_werks WITH KEY uretimyeri = i_viqmel-iwerk TRANSPORTING NO FIELDS.

      IF sy-subrc IS NOT INITIAL.
        MESSAGE '3001 veya 3003 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.
      ENDIF.

```

```

ENDIF.

*-Hteymur/Baltay 20.062025 (
  IF lv_swerk EQ '3001' OR lv_swerk EQ '3003' OR lv_bukrs EQ '3000'.
    clear: lv_message.
    lv_message = | İlgili ekipman { i_viqmel-iwerk } üretim yerine ait değildir! |.
    MESSAGE lv_message TYPE 'E'.
  MESSAGE '3001 veya 3003 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.
*) Hteymur/Baltay 20.062025

  IF lv_iwerk EQ '3001' OR lv_iwerk EQ '3003'.
    clear: lv_message.
    lv_message = | İlgili teknik birim { i_viqmel-iwerk } üretim yerine ait değildir! |.
    MESSAGE lv_message TYPE 'E'.
  MESSAGE '3001 veya 3003 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.

WHEN '3001'.

LOOP AT lt_werks TRANSPORTING NO FIELDS WHERE uretimyeri EQ '2001'. " OR uretimyeri EQ '3003'.
  EXIT.
ENDLOOP.

IF sy-subrc IS INITIAL. "OR lv_swerk EQ '2001' OR lv_bukrs EQ '2000'.. 

  READ TABLE lt_werks WITH KEY uretimyeri = i_viqmel-iwerk TRANSPORTING NO FIELDS.

  IF sy-subrc IS NOT INITIAL.
    MESSAGE '2001 üretim yerindeki kullanıcı 3001 üretim yerine sipariş açamaz!' TYPE 'E'.
  ENDIF.

ENDIF.

*-Hteymur/Baltay 20.062025 (
  IF lv_swerk EQ '2001' OR lv_bukrs EQ '2000'.
    clear: lv_message.
    lv_message = | İlgili ekipman { i_viqmel-iwerk } üretim yerine ait değildir! |.
    MESSAGE lv_message TYPE 'E'.
  MESSAGE '2001 üretim yerindeki kullanıcı 3001 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.
*) Hteymur/Baltay 20.062025

  IF lv_iwerk EQ '2001'.
    clear: lv_message.
    lv_message = | İlgili teknik birim { i_viqmel-iwerk } üretim yerine ait değildir! |.
    MESSAGE lv_message TYPE 'E'.
  MESSAGE '2001 üretim yerindeki kullanıcı 3001 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.

WHEN '3003'.

LOOP AT lt_werks TRANSPORTING NO FIELDS WHERE uretimyeri EQ '2001'. "or uretimyeri EQ '3001' .
  EXIT.
ENDLOOP.

*-Hteymur/Baltay 20.062025 ( werks ve bukrs şartı eklendi.
  IF sy-subrc IS INITIAL. "OR lv_swerk EQ '2001' OR lv_bukrs EQ '2000'.. 

    READ TABLE lt_werks WITH KEY uretimyeri = i_viqmel-iwerk TRANSPORTING NO FIELDS.

    IF sy-subrc IS NOT INITIAL.
      MESSAGE '2001 üretim yerindeki kullanıcı 3003 üretim yerine sipariş açamaz!' TYPE 'E'.
    ENDIF.

  ENDIF.

*-Hteymur/Baltay 20.062025 (
  IF lv_swerk EQ '2001' OR lv_bukrs EQ '2000'.
    clear: lv_message.
    lv_message = | İlgili ekipman { i_viqmel-iwerk } üretim yerine ait değildir! |.
    MESSAGE lv_message TYPE 'E'.
  MESSAGE '2001 üretim yerindeki kullanıcı 3003 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.
*) Hteymur/Baltay 20.062025

  IF lv_iwerk EQ '2001'.
    clear: lv_message.
    lv_message = | İlgili teknik birim { i_viqmel-iwerk } üretim yerine ait değildir! |.
    MESSAGE lv_message TYPE 'E'.
  MESSAGE '2001 üretim yerindeki kullanıcı 3003 üretim yerine sipariş açamaz!' TYPE 'E'.
ENDIF.

WHEN OTHERS.
ENDCASE.

* ELSE.
**-Hteymur/Baltay 20.062025 (
**  MESSAGE 'ZPM_KLLNC_UY_ESL bakım tablosundan bakım yapınız!' TYPE 'E'.

```

```

**- ) Hteymur/Baltay 20.062025
*      ENDIF.

*      SELECT single uretimyeri
*          FROM zpm_kllnc_uy_esl
*             WHERE kullanici_adi EQ @sy-uname
*              INTO @DATA(lv_werks).

*      IF sy-subrc IS INITIAL.

*      CASE lv_werks.
*      WHEN '2001'.
*          IF i_viqmel-iwerk EQ '3001' OR i_viqmel-iwerk EQ '3003'.
*              MESSAGE '2001 üretim yerindeki kullanıcı 3001 veya 3003 üretim yerine sipariş açamaz!' TYPE 'E'.
*          ENDIF.
*      WHEN '3001'.
*          IF i_viqmel-iwerk EQ '2001'.
*              MESSAGE '3001 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.
*          ENDIF.
*      WHEN '3003'.
*          IF i_viqmel-iwerk EQ '2001'.
*              MESSAGE '3003 üretim yerindeki kullanıcı 2001 üretim yerine sipariş açamaz!' TYPE 'E'.
*          ENDIF.
*      WHEN OTHERS.
*      ENDCASE.
*      ELSE.
*          MESSAGE 'ZPM_KLLNC_UY_ESL bakım tablosundan bakım yapınız!' TYPE 'E'.
*      ENDIF.

IF <test> IS ASSIGNED.
IF ( i_viqmel-iwerk EQ '3001' OR i_viqmel-iwerk EQ '3003' ) AND <test> NE '3001'.

MESSAGE '3001 veya 3003 üretim yeri seçildiğinde, iş Alanı 3001 olmalıdır!' TYPE 'E'.

ENDIF.

ELSEIF sy-ucomm EQ 'RFSH'.
IF <test> IS ASSIGNED.
CLEAR : <test>.
ENDIF.

ENDIF.

```

# Mail with attachment

Monday, April 7, 2025 11:29 PM

```
*&-----*
*& Report ZVR_WM_MAIL_4_UNUSED_MATERIAL
*&
*&-----*
*&
*&-----*
REPORT zvr_wm_mail_4_unused_material.
TYPES : BEGIN OF ty_s032,
         werks TYPE werks_d,
         lgort TYPE lgort_d,
         matnr TYPE matnr,
         mtart TYPE mtart,
         matkl TYPE matkl,
         letztver TYPE letztver,
      END OF ty_s032.
TYPES : BEGIN OF ty_makt,
         matnr TYPE matnr,
         spras TYPE spras,
         maktx TYPE maktx,
      END OF ty_makt.
TYPES : BEGIN OF ty_mard,
         matnr TYPE matnr,
         werks TYPE werks_d,
         lgort TYPE lgort_d,
         labst TYPE labst,
      END OF ty_mard.
TYPES : BEGIN OF ty_mbew,
         matnr TYPE matnr,
         vprsv TYPE vprsv,
         verpr TYPE verpr,
         stprs TYPE stprs,
      END OF ty_mbew.
TYPES : BEGIN OF ty_final,
         matnr TYPE matnr,
         maktx TYPE maktx,
         mtart TYPE mtart,
         matkl TYPE matkl,
         werks TYPE werks_d,
         lgort TYPE lgort_d,
         labst TYPE labst,
         value TYPE char13,"verpr",
      END OF ty_final.
TYPES: BEGIN OF xml_line,
        data(255) TYPE x,
      END OF xml_line.
DATA : it_s032 TYPE STANDARD TABLE OF ty_s032,
      wa_s032 TYPE ty_s032,
      it_makt TYPE STANDARD TABLE OF ty_makt,
      wa_makt TYPE ty_makt,
      it_mard TYPE STANDARD TABLE OF ty_mard,
      wa_mard TYPE ty_mard,
      it_mbew TYPE STANDARD TABLE OF ty_mbew,
      wa_mbew TYPE ty_mbew,
      it_final TYPE STANDARD TABLE OF ty_final,
      wa_final TYPE ty_final.
DATA : it_mail TYPE STANDARD TABLE OF zmail,
      wa_mail TYPE zmail.
DATA : objpack LIKE sopcklstil OCCURS 2 WITH HEADER LINE.
DATA : objhead LIKE solistil OCCURS 1 WITH HEADER LINE.
DATA : objbin LIKE solix OCCURS 10 WITH HEADER LINE.
DATA : objtxt LIKE solistil OCCURS 10 WITH HEADER LINE.
DATA : reclist LIKE somlrecil OCCURS 5 WITH HEADER LINE.
DATA : doc_chng LIKE sodocchgil.
DATA : tab_lines LIKE sy-tabix.
DATA : l_num(3).
DATA : subj_date(10) TYPE c.
DATA : lv_date TYPE char10.
DATA : l_ixml          TYPE REF TO if_ixml,
      l_streamfactory TYPE REF TO if_ixml_stream_factory,
      l ostream       TYPE REF TO if_ixml_ostream,
      l renderer      TYPE REF TO if_ixml_renderer,
      l document      TYPE REF TO if_ixml_document.
DATA : l_element_root   TYPE REF TO if_ixml_element,
      ns_attribute    TYPE REF TO if_ixml_attribute,
      r_element_properties TYPE REF TO if_ixml_element,
      r_element      TYPE REF TO if_ixml_element,
      r Worksheet    TYPE REF TO if_ixml_element,
      r_table        TYPE REF TO if_ixml_element,
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r_column          TYPE REF TO if_ixml_element,
r_row             TYPE REF TO if_ixml_element,
r_cell            TYPE REF TO if_ixml_element,
r_data            TYPE REF TO if_ixml_element,
l_value           TYPE string,
l_type            TYPE string,
l_text(100)       TYPE c,
r_styles          TYPE REF TO if_ixml_element,
r_style           TYPE REF TO if_ixml_element,
r_style1          TYPE REF TO if_ixml_element,
r_format          TYPE REF TO if_ixml_element,
r_border          TYPE REF TO if_ixml_element,
num_rows          TYPE i.
DATA : g_sent_to_all      TYPE sonv-flag,
      g_tab_lines        TYPE i,
      lv_labst           TYPE char17,
      lv_value            TYPE char13.
DATA : l_xml_table       TYPE TABLE OF xml_line,
      wa_xml             TYPE xml_line,
      l_xml_size          TYPE i,
      l_rc                TYPE i.
PARAMETERS : date TYPE letztver DEFAULT sy-datum.
PERFORM get_data.
PERFORM process_xml_data.
PERFORM mail.

*&-----*
*&   Form GET_DATA
*&-----*
*   text
*-----*
* --> p1    text
* <- p2    text
*-----*
FORM get_data .

CALL FUNCTION 'RP_CALC_DATE_IN_INTERVAL'
  EXPORTING
    date    = date
    days    = '00'
    months  = '00'
    signum  = '1'
    years   = '01'
  IMPORTING
    calc_date = date.

SELECT werks
      lgort
      matnr
      mtart
      matkl
      letztver
FROM s032
INTO TABLE it_s032
WHERE letztver LE date.

IF it_s032 IS NOT INITIAL.
  SELECT matnr
        spras
        makte
  FROM makt
  INTO TABLE it_makt
  FOR ALL ENTRIES IN it_s032
  WHERE spras = sy-langu AND matnr = it_s032-matnr.

  SELECT matnr
        werks
        lgort
        labst
  FROM mard
  INTO TABLE it_mard
  FOR ALL ENTRIES IN it_s032
  WHERE matnr = it_s032-matnr AND werks = it_s032-werks AND lgort = it_s032-lgort.

  SELECT matnr
        vprsv
        verpr
        stprs
  FROM mbew
  INTO TABLE it_mbew
  FOR ALL ENTRIES IN it_s032
  WHERE matnr = it_s032-matnr.
ENDIF.

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SELECT *
FROM zmail
INTO TABLE it_mail.

LOOP AT it_s032 INTO wa_s032.
  IF wa_s032-lgort IS NOT INITIAL.
    wa_final-matnr = wa_s032-matnr.
    READ TABLE it_makt INTO wa_makt WITH KEY matnr = wa_final-matnr.
    IF sy-subrc = 0.
      wa_final-maktx = wa_makt-maktx.
    ENDIF.
    wa_final-mtart = wa_s032-mtart.
    wa_final-matkl = wa_s032-matkl.
    wa_final-werks = wa_s032-werks.
    wa_final-lgort = wa_s032-lgort.
    READ TABLE it_mard INTO wa_mard WITH KEY matnr = wa_s032-matnr werks = wa_s032-werks lgort = wa_s032-lgort.
    IF sy-subrc = 0.
      wa_final-labst = wa_mard-labst.
      IF wa_final-labst IS INITIAL.
        CLEAR :wa_final, wa_makt, wa_mard, wa_s032.
        CONTINUE.
      ENDIF.
    ENDIF.
    READ TABLE it_mbew INTO wa_mbew WITH KEY matnr = wa_s032-matnr.
    IF sy-subrc = 0.
      IF wa_mbew-vprsv = 'S'.
        wa_final-value = wa_final-labst * wa_mbew-stprs.
      ELSEIF wa_mbew-vprsv = 'V'.
        wa_final-value = wa_final-labst * wa_mbew-verpr.
      ENDIF.
    ENDIF.
    APPEND wa_final TO it_final.
  ENDIF.
  CLEAR :wa_final, wa_makt, wa_s032.
ENDLOOP.

ENDFORM.          " GET_DATA
*&-----*
*&  Form PROCESS_XML_DATA
*&-----*
*   text
*-----*
* --> p1   text
* <-- p2   text
*-----*

FORM process_xml_data .
* Creating a ixml Factory
  l_ixml = cl_ixml->create( ).
* Creating the DOM Object Model
  l_document = l_ixml->create_document( ).
* Create Root Node 'Workbook'
  l_element_root = l_document->create_simple_element( name = 'Workbook' parent = l_document ).
  l_element_root->set_attribute( name = 'xmlns' value = 'urn:schemas-microsoft-com:office:spreadsheet' ).

  ns_attribute = l_document->create_namespace_decl( name = 'ss' prefix = 'xmlns' uri = 'urn:schemas-microsoft-com:office:spreadsheet' ).
  l_element_root->set_attribute_node( ns_attribute ).

  ns_attribute = l_document->create_namespace_decl( name = 'x' prefix = 'xmlns' uri = 'urn:schemas-microsoft-com:office:excel' ).
  l_element_root->set_attribute_node( ns_attribute ).

* Create node for document properties.
  r_element_properties = l_document->create_simple_element( name = 'MATERIAL_REPORT' parent = l_element_root ).
  l_value = sy-uname.
  l_document->create_simple_element( name = 'Author' value = l_value parent = r_element_properties ).

* Styles
  r_styles = l_document->create_simple_element( name = 'Styles' parent = l_element_root ).

* Style for Header
  r_style = l_document->create_simple_element( name = 'Style' parent = r_styles ).
  r_style->set_attribute_ns( name = 'ID' prefix = 'ss' value = 'Header' ).

  r_format = l_document->create_simple_element( name = 'Font' parent = r_style ).
  r_format->set_attribute_ns( name = 'Bold' prefix = 'ss' value = '1' ).

  r_format = l_document->create_simple_element( name = 'Interior' parent = r_style ).
  r_format->set_attribute_ns( name = 'Color' prefix = 'ss' value = '#92D050' ).
  r_format->set_attribute_ns( name = 'Pattern' prefix = 'ss' value = 'Solid' ).

  r_format = l_document->create_simple_element( name = 'Alignment' parent = r_style ).
  r_format->set_attribute_ns( name = 'Vertical' prefix = 'ss' value = 'Center' ).
  r_format->set_attribute_ns( name = 'WrapText' prefix = 'ss' value = '1' ).

  r_border = l_document->create_simple_element( name = 'Borders' parent = r_style ).
  r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
  r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Bottom' ).
  r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).


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r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Left' ).
r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).
r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Top' ).
r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).
r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Right' ).
r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).
r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).

* Style for Data
r_style1 = l_document->create_simple_element( name = 'Style' parent = r_styles ).
r_style1->set_attribute_ns( name = 'ID' prefix = 'ss' value = 'Data' ).

r_border = l_document->create_simple_element( name = 'Borders' parent = r_style1 ).
r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Bottom' ).
r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).
r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Left' ).
r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).
r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Top' ).
r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).
r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).

r_format = l_document->create_simple_element( name = 'Border' parent = r_border ).
r_format->set_attribute_ns( name = 'Position' prefix = 'ss' value = 'Right' ).
r_format->set_attribute_ns( name = 'LineStyle' prefix = 'ss' value = 'Continuous' ).
r_format->set_attribute_ns( name = 'Weight' prefix = 'ss' value = '1' ).

* Worksheet
r_worksheet = l_document->create_simple_element( name = 'Worksheet' parent = l_element_root ).
r_worksheet->set_attribute_ns( name = 'Name' prefix = 'ss' value = 'Sheet1' ).

* Table
r_table = l_document->create_simple_element( name = 'Table' parent = r_worksheet ).
r_table->set_attribute_ns( name = 'FullColumns' prefix = 'x' value = '1' ).
r_table->set_attribute_ns( name = 'FullRows' prefix = 'x' value = '1' ).

* Column Formatting
r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).
r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '40' ).

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).
r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '90' ).

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).
r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '140' ).

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).
r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '150' ).

r_column = l_document->create_simple_element( name = 'Column' parent = r_table ).
r_column->set_attribute_ns( name = 'Width' prefix = 'ss' value = '90' ).

* Blank Row
r_row = l_document->create_simple_element( name = 'Row' parent = r_table ).

* Column Headers Row
r_row = l_document->create_simple_element( name = 'Row' parent = r_table ).
r_row->set_attribute_ns( name = 'AutoFitHeight' prefix = 'ss' value = '1' ).

* Sr. No.
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Sr. No.' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Material No.
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Material Number' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Material Description
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Material Description' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

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* Material Type
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Material Type' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Material Group
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Material Group' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Plant
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Plant' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Storage Location
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Storage Location' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Unrestricted Quantity
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Unrestricted Quantity' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Unrestricted Quantity Value
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Header' ).
r_data = l_document->create_simple_element( name = 'Data' value = 'Unrestricted Quantity Value' parent = r_cell ).
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).

* Blank Row after Column Headers
r_row = l_document->create_simple_element( name = 'Row' parent = r_table ).
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).

* Data Table
LOOP AT it_final INTO wa_final.

r_row = l_document->create_simple_element( name = 'Row' parent = r_table ).

* Sr. No.
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ).
l_value = sy-tabix.
CONDENSE l_value NO-GAPS.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'Number' ). " Cell format

* Material No.
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). " Data
l_value = wa_final-matnr.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format

* Material Description
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). " Data
l_value = wa_final-maktx.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data
r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ). " Cell format

* Material Type
r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ).
r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). " Data
l_value = wa_final-mtart.
r_data = l_document->create_simple_element( name = 'Data' value = l_value parent = r_cell ). " Data

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    r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).                                     " Cell format
* Material Group
    r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). 
    r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). 
    l_value = wa_final-matkl.
    r_data = l_document->create_simple_element( name = 'Data' value = l_value   parent = r_cell ).           " Data
    r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).                               " Cell format
* Plant
    r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). 
    r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). 
    l_value = wa_final-werks.
    r_data = l_document->create_simple_element( name = 'Data' value = l_value   parent = r_cell ).           " Data
    r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).                               " Cell format
* Plant
    r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). 
    r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). 
    l_value = wa_final-lgort.
    r_data = l_document->create_simple_element( name = 'Data' value = l_value   parent = r_cell ).           " Data
    r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).                               " Cell format
* Unrest. Qty
    r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). 
    r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). 
    l_value = wa_final-labst.
    r_data = l_document->create_simple_element( name = 'Data' value = l_value   parent = r_cell ).           " Data
    r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).                               " Cell format
* Unrest. Qty Value
    r_cell = l_document->create_simple_element( name = 'Cell' parent = r_row ). 
    r_cell->set_attribute_ns( name = 'StyleID' prefix = 'ss' value = 'Data' ). 
    l_value = wa_final-value.
    r_data = l_document->create_simple_element( name = 'Data' value = l_value   parent = r_cell ).           " Data
    r_data->set_attribute_ns( name = 'Type' prefix = 'ss' value = 'String' ).                               " Cell format

ENDLOOP.

* Creating a Stream Factory
l_streamfactory = l_ixml->create_stream_factory( ).

* Connect Internal XML Table to Stream Factory
l_ostream = l_streamfactory->create_ostream_itable( table = l_xml_table ).

* Rendering the Document
l_renderer = l_ixml->create_renderer( ostream = l_ostream document = l_document ).
l_rc = l_renderer->render().

* Saving the XML Document
l_xml_size = l_ostream->get_num_written_raw( ).

ENDDFORM.          " PROCESS_XML_DATA
*&-----*
*&  Form MAIL
*&-----*
*  text
*-----*
* --> p1  text
* <-> p2  text
*-----*
FORM mail .

lv_date = sy-datum.

* Mail Subject
doc_chng-obj_name = 'Unused_material_for_1_year'.
CONCATENATE lv_date+6(2) !' lv_date+4(2) !' lv_date+0(4) INTO subj_date.
CONCATENATE 'List of unused materials since 1 year,' subj_date INTO doc_chng-obj_descr SEPARATED BY space.

IF it_final IS NOT INITIAL..
  "Body of the mail
  PERFORM build_body_of_mail
  USING:space,
  'Dear User',
  ";
  'Kindly find the list of unused materials.',
  ";
  'Regards,',
  'itsapaber'.
ELSE.
  PERFORM build_body_of_mail
  USING:space,
  'Dear User',
  ";
  'There is no unused materials for past 1 year.',
  ";
  'Regards,',
  'itsapaber'.
ENDIF.

DESCRIBE TABLE objtxt LINES tab_lines.
READ TABLE objtxt INDEX tab_lines.

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doc_chng_doc_size = (tab_lines - 1) * 255 + STRLEN( objtxt ).

*Packing List For the E-mail Body
objpack-head_start = 1.
objpack-head_num = 0.
objpack-body_start = 1.
objpack-body_num = tab_lines.
objpack-doc_type = 'RAW'.
APPEND objpack.

* Creation of the Document Attachment
LOOP AT l_xml_table INTO wa_xml.
  CLEAR objbin.
  objbin-line = wa_xml-data.
  APPEND objbin.
ENDLOOP.

DESCRIBE TABLE objbin LINES tab_lines.
objhead = 'Unused Material List'.
APPEND objhead.

IF it_final IS NOT INITIAL.
*Packing List For the E-mail Attachment
  objpack-transf_bin = 'X'.
  objpack-head_start = 1.
  objpack-head_num = 0.
  objpack-body_start = 1.
  objpack-body_num = tab_lines.
  CONCATENATE 'Unused_material_ subj_date INTO objpack-obj_descr SEPARATED BY space.
  objpack-doc_type = 'XLS'.
  objpack-doc_size = tab_lines * 255.
  APPEND objpack.
ENDIF.

* Target Recipient
"Receivers List.
LOOP AT it_mail INTO wa_mail.
  IF wa_mail-to_mailid IS NOT INITIAL.
    TRANSLATE wa_mail-to_mailid TO LOWER CASE.
    reclist-rec_type = 'U'. "Internet address
    reclist-receiver = wa_mail-to_mailid.
    reclist-com_type = 'INT'.
    reclist-notif_del = 'X'.
    reclist-notif_ndel = 'X'.
    APPEND reclist.
  ENDIF.
  IF wa_mail-cc_mailid IS NOT INITIAL.
    TRANSLATE wa_mail-cc_mailid TO LOWER CASE.
    reclist-rec_type = 'U'. "Internet address
    reclist-receiver = wa_mail-cc_mailid.
    reclist-com_type = 'INT'.
    reclist-notif_del = 'X'.
    reclist-notif_ndel = 'X'.
    reclist-copy = 'X'. "CC Mail id
    APPEND reclist.
  ENDIF.
  CLEAR : wa_mail.
ENDLOOP.

* Sending the document
CALL FUNCTION 'SO_NEW_DOCUMENT_ATT_SEND_API1'
  EXPORTING
    document_data = doc_chng
    put_in_outbox = 'X'
  TABLES
    packing_list = objpack
    object_header = objhead
    contents_txt = objtxt
    contents_hex = objbin
    receivers = reclist
  EXCEPTIONS
    too_many_receivers = 1
    document_not_sent = 2
    operation_no_authorization = 4
    OTHERS = 99.
  IF sy-subrc = 0 .
* MESSAGE i303(me) WITH 'Mail has been Successfully Sent.'.
ELSE.
  WAIT UP TO 2 SECONDS.
  "This program starts the SAPconnect send process.
  SUBMIT rsconn01 WITH mode = 'INT'
  WITH output = 'X'
  AND RETURN.
ENDIF.

ENDFORM.          " MAIL
*&-----*

```

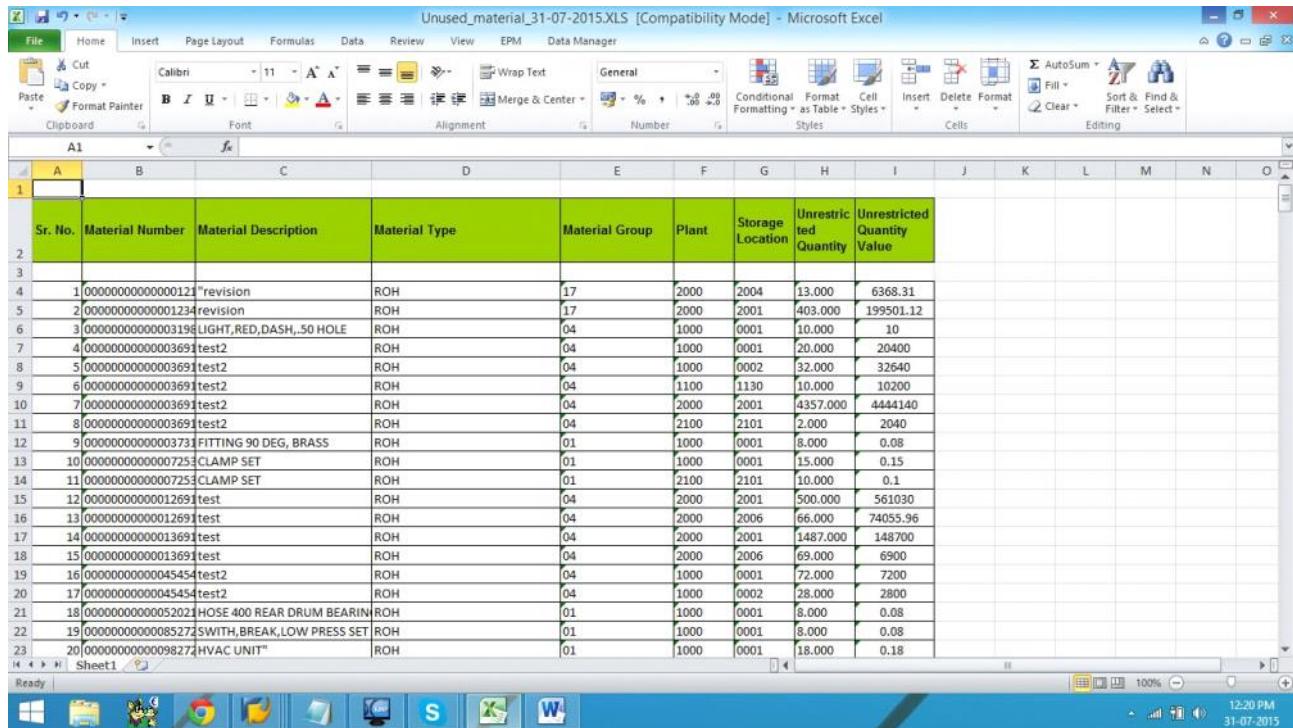
```

*&  Form BUILD_BODY_OF_MAIL
*-----
*   text
*-----
*   -->P_SPACE text
*-----
FORM build_body_of_mail  USING  l_message.

objtxt = l_message.
APPEND objtxt.
CLEAR objtxt.
ENDFORM.      " BUILD_BODY_OF_MAIL

```

Output.



The screenshot shows a Microsoft Excel spreadsheet titled "Unused\_material\_31-07-2015.XLS [Compatibility Mode] - Microsoft Excel". The table has the following columns:

Sr. No.	Material Number	Material Description	Material Type	Material Group	Plant	Storage Location	Unrestricted Quantity	Unrestricted Quantity Value
1	00000000000000123	"revision	ROH	17	2000	2004	13.000	6368.31
2	000000000000001234	revision	ROH	17	2000	2001	403.000	195501.12
3	000000000000003198	LIGHT,RED,DASH,,50 HOLE	ROH	04	1000	0001	10.000	10
4	000000000000003691	test2	ROH	04	1000	0001	20.000	20400
5	000000000000003691	test2	ROH	04	1000	0002	32.000	32640
6	000000000000003691	test2	ROH	04	1100	1130	10.000	10200
7	000000000000003691	test2	ROH	04	2000	2001	4357.000	4444140
8	000000000000003691	test2	ROH	04	2100	2101	2.000	2040
9	000000000000003731	FITTING 90 DEG, BRASS	ROH	01	1000	0001	8.000	0.08
10	000000000000007253	CLAMP SET	ROH	01	1000	0001	15.000	0.15
11	000000000000007253	CLAMP SET	ROH	01	2100	2101	10.000	0.1
12	0000000000000012691	test	ROH	04	2000	2001	500.000	561030
13	0000000000000012691	test	ROH	04	2000	2006	66.000	74055.96
14	0000000000000013691	test	ROH	04	2000	2001	1487.000	148700
15	0000000000000013691	test	ROH	04	2000	2006	69.000	6900
16	0000000000000045454	test2	ROH	04	1000	0001	72.000	7200
17	0000000000000045454	test2	ROH	04	1000	0002	28.000	2800
18	0000000000000052021	HOSE 400 REAR DRUM BEARING	ROH	01	1000	0001	8.000	0.08
19	0000000000000085272	SWITH,BREAK,LOW PRESS SET	ROH	01	1000	0001	8.000	0.08
20	0000000000000098272	HVAC UNIT"	ROH	01	1000	0001	18.000	0.18

From <<https://itsabaper.blogspot.com/2015/07/email-attachment-with-formatted-excel.html>>

# SENDER Mail adresi ekleme ile ilgili örnek SAP Programı

Monday, April 7, 2025 11:31 PM

BCS\_EXAMPLE\_1

From <<https://community.sap.com/t5/application-development-and-automation-discussions/set-specific-sender-when-sending-email-using-cl-bcs-class/m-p/10958405>>

# FBL3N Ek alan ekleme işlemi

31 Temmuz 2025 Perşembe 09:39

# FAGLL03H ek alan ekleme işlemi

31 Temmuz 2025 Perşembe 09:39

IF\_FAGL\_LIB~SELECT\_DATA burada kodlar yazılr alanları doldurmak için örnek kod aşağıdaki gibidir;

```
METHOD if_fagl_lib~select_data.
*   FIELD-SYMBOLS: <fs> TYPE any.
  FIELD-SYMBOLS <ls_data>          TYPE any.
*   FIELD-SYMBOLS <ld_data>          TYPE any.

*   DATA: ls_component LIKE LINE OF it_component.
  DATA lr_data           TYPE REF TO data.
*   DATA lo_descr          TYPE REF TO cl_abap_typedescr.
*   DATA lo_str_descr_in    TYPE REF TO cl_abap_structdescr.
*   DATA ls_abap_comp_descr TYPE abap_compdescr.
  CREATE DATA lr_data LIKE LINE OF ct_data.
  ASSIGN lr_data->*> TO <ls_data>.

* Get structure description of data table
*   CALL METHOD cl_abap_structdescr=>describe_by_data
*     EXPORTING
*       p_data      = <ls_data>
*     RECEIVING
*       p_descr_ref = lo_descr.
*
*   lo_str_descr_in ?= lo_descr.

LOOP AT ct_data ASSIGNING <ls_data>.

  ASSIGN COMPONENT 'BELNR'      OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<document_number>).
  ASSIGN COMPONENT 'GJAHR'      OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<fiscalyear>).
  ASSIGN COMPONENT 'BUKRS'      OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<companycode>).
  ASSIGN COMPONENT 'QUANTITY'   OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<quantity>).
  ASSIGN COMPONENT 'GKONT'      OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<gkont>).
  ASSIGN COMPONENT 'EBELN'      OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<ebeln>).
  ASSIGN COMPONENT 'EBELP'      OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<ebelp>).
  ASSIGN COMPONENT 'ZZVBEL2'    OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<salesdoc>).
  ASSIGN COMPONENT 'ZZPOSN2'    OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<salesitem>).
  ASSIGN COMPONENT 'ZZSGTXT'   OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<zzsgtxt>).
  ASSIGN COMPONENT 'ZZYEVNM'   OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<zzyevmn>).
  ASSIGN COMPONENT 'QUANUNIT'  OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<quanunit>).
  ASSIGN COMPONENT 'VBEL2'      OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<salesdocument>).
  ASSIGN COMPONENT 'ZZSIPNE'    OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<augru_txt>).
  ASSIGN COMPONENT 'ZZAFNAM'   OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<afnam>).
  ASSIGN COMPONENT 'BUZEI'      OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<buzei>).

  IF <document_number> IS ASSIGNED AND
    <fiscalyear>      IS ASSIGNED AND
    <companycode>    IS ASSIGNED AND
    <salesdoc>       IS ASSIGNED AND
    <salesitem>      IS ASSIGNED AND
    <zzsgtxt>        IS ASSIGNED.

    SELECT SINGLE vbel2 , posn2
    FROM bseg
    INTO ( @<salesdoc> , @<salesitem> )
    WHERE bukrs EQ @<companycode>
      AND gjahr EQ @<fiscalyear>
      AND belnr EQ @<document_number>.

    SELECT SINGLE sgtxt
    FROM acdoca
    WHERE rldnr EQ 'OL'
      AND rbukrs EQ @<companycode>
      AND gjahr EQ @<fiscalyear>
      AND belnr EQ @<document_number>
    INTO @<zzsgtxt>.

  ENDIF.

"

  IF <document_number> IS ASSIGNED AND
    <fiscalyear>      IS ASSIGNED AND
    <companycode>    IS ASSIGNED AND
    <ebeln>         IS ASSIGNED AND
```

```

<ebelp>           IS ASSIGNED AND
<quantity>        IS ASSIGNED AND
<quanunit>        IS ASSIGNED.

IF <quantity> IS INITIAL.

  SELECT SINGLE menge, meins
    FROM bseg
   INTO ( @<quantity> , @<quanunit> )
  WHERE bukrs EQ @<companycode>
    AND gjahr EQ @<fiscalyear>
    AND belnr EQ @<document_number>
    AND ebeln EQ @<ebeln>.
*     AND ebelp EQ @<ebelp>.

ENDIF.

ENDIF.

"START-Yevmiye no eklendi. D.Duruk
IF <document_number> IS ASSIGNED AND
  <fiscalyear>      IS ASSIGNED AND
  <companycode>     IS ASSIGNED AND
  <zzyevmn>        IS ASSIGNED.

IF <zzyevmn> IS INITIAL.

  SELECT SINGLE yevno
    FROM ytaxtr_eled_jonm
   INTO @<zzyevmn>
  WHERE bukrs EQ @<companycode>
    AND gjahr EQ @<fiscalyear>
    AND belnr EQ @<document_number>.

"beg:FI:Yevmiye numarasinin ytaxtr_eled_jonm tablosunda yoksa
"/PWCTRADO/L_JONM tablosundan alınması sağlandı-ESANIN/OELMACI-22.05.2025

IF sy-subrc IS NOT INITIAL.

  SELECT SINGLE yevno FROM /pwctrado/l_jonm
   INTO @<zzyevmn>
  WHERE bukrs EQ @<companycode>
    AND belnr EQ @<document_number>
    AND gjahr EQ @<fiscalyear>.

ENDIF.

"end:FI:Yevmiye numarasının ytaxtr_eled_jonm tablosunda yoksa
"/PWCTRADO/L_JONM tablosundan alınması sağlandı-ESANIN/OELMACI-22.05.2025

ENDIF.

"END-Yevmiye no eklendi. D.Duruk
IF <document_number> IS ASSIGNED
AND <fiscalyear>      IS ASSIGNED
AND <companycode>     IS ASSIGNED
AND <gkont>          IS ASSIGNED
AND <ebeln>          IS ASSIGNED."ESANIN/OELMACI-22.05.2025-FAGL03H,FBL05H dump çözümü

IF <ebeln> IS INITIAL.

  SELECT SINGLE ebeln
    FROM /ittr/ift_ddl_cost_doc_items
   INTO @<ebeln>
  WHERE bukrs = @<companycode>
    AND belnr = @<document_number>
    AND gjahr = @<fiscalyear>.

IF sy-subrc IS NOT INITIAL.

  SELECT SINGLE ebeln
    FROM acdoca
   INTO @<ebeln>
  WHERE rldnr EQ 'OL'

```

```

        AND rbukrs EQ @<companycode>
        AND gjahr EQ @<fiscalyear>
        AND belnr EQ @<document_number>
        AND racct EQ @<gkont>.
    ENDIF.

ENDIF.

ASSIGN COMPONENT 'FKART' OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<fkart>).
ASSIGN COMPONENT 'ZZVTEXT' OF STRUCTURE <ls_data> TO FIELD-SYMBOL(<zzvtext>).

IF <fkart> IS ASSIGNED AND
<zzvtext> IS ASSIGNED.

    SELECT SINGLE vtext FROM tvfkt
    INTO @<zzvtext>
    WHERE fkart EQ @<fkart>
    AND spras EQ @sy-langu.

ENDIF.

"beg:FI:siparis nedeninin eklenmesi-ESANIN/OELMACI-13.11.2024
IF <salesdocument> IS ASSIGNED AND
<augru_txt> IS ASSIGNED AND
<fkart> IS ASSIGNED AND
( <fkart> EQ 'ZA01' OR <fkart> EQ 'ZB01' OR <fkart> EQ 'YA01' OR <fkart> EQ 'YB01' ).

SELECT SINGLE v~vbeln, t~bezei
FROM vbak AS v
LEFT JOIN tvaut AS t
    ON t~augru EQ v~augru
    AND t~spras EQ @sy-langu
WHERE v~vbeln EQ @<salesdocument>
    INTO @DATA(ls_siparis_nedeni).

IF sy-subrc IS INITIAL.
    <augru_txt> = ls_siparis_nedeni-bezei.
ENDIF.

ENDIF.
"end:FI:siparis nedeninin eklenmesi-ESANIN/OELMACI-13.11.2024

"beg:FAGLL03H raporuna eklenen talep eden (ZZAFNAM) alaninin doldurulmasi-ESANIN/OELMACI-30.07.2025

IF <document_number> IS ASSIGNED
AND <fiscalyear> IS ASSIGNED
AND <companycode> IS ASSIGNED
AND <gkont> IS ASSIGNED
AND <ebeln> IS ASSIGNED
AND <ebelp> IS ASSIGNED
AND <buzei> IS ASSIGNED
AND <afnam> IS ASSIGNED.

IF <ebeln> IS INITIAL OR <ebelp> IS INITIAL.

    SELECT SINGLE ebeln,
           ebelp
    FROM /ittr/ift_ddl_cost_doc_items
    INTO ( @<ebeln>, @<ebelp> )
    WHERE bukrs = @<companycode>
        AND belnr = @<document_number>
        AND gjahr = @<fiscalyear>
        AND buzei = @<buzei>.

IF sy-subrc IS NOT INITIAL.

    DATA: lv_docln TYPE docln6.
    CLEAR: lv_docln.

    CALL FUNCTION 'CONVERSION_EXIT_ALPHA_INPUT'
        EXPORTING
            input = <buzei>
        IMPORTING
            output = lv_docln.

```

```

        SELECT SINGLE ebeln, ebelp
        FROM acdoca
        INTO ( @<ebeln>, @<ebelp> )
WHERE rldnr EQ 'OL'
    AND rbukrs EQ @<companycode>
    AND gjahr EQ @<fiscalyear>
    AND belnr EQ @<document_number>
    AND docln EQ @lv_docln
    AND racct EQ @<gkont>.
ENDIF.

ENDIF.

ENDIF.

IF <ebeln> IS ASSIGNED
AND <ebelp> IS ASSIGNED
AND <afnam> IS ASSIGNED.

SELECT SINGLE afnam
FROM ekpo
WHERE ebeln EQ @<ebeln>
    AND ebelp EQ @<ebelp>
    INTO @<afnam>.

ENDIF.

"end:FAGLL03H raporuna eklenen talep eden (ZZAFNAM) alaninin doldurulmasi-ESANIN/OELMACI-30.07.2025

ENDLOOP.

ENDMETHOD.

```

# FAGLL03 ek alan ekleme işlemi

31 Temmuz 2025 Perşembe 09:39

# VF04 Mail Fonksiyonu

31 Temmuz 2025 Perşembe 14:28

```
FUNCTION zsd_077_fm_vf04_send_mail.  
*-----  
*** Local Interface:  
*  IMPORTING  
*    REFERENCE(IV_VKORG) TYPE VKORG  
*-----  
  
DATA: ls_vf04 TYPE vkdfif,  
      lt_vf04 TYPE TABLE OF vkdfif.  
  
DATA: lfs_zsd0005 TYPE REF TO data.  
  
FIELD-SYMBOLS : <lt_temp> TYPE any . "LIKE LINE OF it_tab .  
  
FIELD-SYMBOLS <lft_zsd0005> TYPE STANDARD TABLE.  
  
cl_salv_bs_runtime_info=>set(  
  EXPORTING  
    display      = abap_false  
    metadata     = abap_false  
    data         = abap_true ).  
  
CLEAR: lt_vf04[].  
  
IF sy-sysid EQ 'DED'.  
  
  SUBMIT sdbilldl "--> VF04 işlem kodu programı  
    WITH p_fkdat EQ '20230601'  
    WITH p_fkdbab EQ sy-datum  
    WITH p_vkorg EQ iv_vkorg  
    WITH p_allea EQ 'X'  
    WITH p_allel EQ 'X'  
    WITH p_anzei EQ 'X'  
  AND RETURN.  
  
ELSE.  
  
  SUBMIT sdbilldl "--> VF04 işlem kodu programı  
    WITH p_fkdat EQ '20250601'  
    WITH p_fkdbab EQ sy-datum  
    WITH p_vkorg EQ iv_vkorg  
    WITH p_allea EQ 'X'  
    WITH p_allel EQ 'X'  
    WITH p_anzei EQ 'X'  
  AND RETURN.  
  
ENDIF.  
  
TRY.  
  
  cl_salv_bs_runtime_info=>get_data_ref( IMPORTING r_data = lfs_zsd0005 ).  
  
  ASSIGN lfs_zsd0005->* TO <lft_zsd0005>.  
  
  IF <lft_zsd0005> IS ASSIGNED.  
  
    LOOP AT <lft_zsd0005> ASSIGNING <lt_temp>.  
  
      MOVE-CORRESPONDING <lt_temp> TO ls_vf04.  
  
      APPEND ls_vf04 TO lt_vf04.  
  
    ENDLOOP.  
  
  ENDIF.  
  
  IF line_exists( lt_vf04[ 1 ] ).  
  
    "mail  
  
    CONSTANTS:  
      gc_tab  TYPE c VALUE cl_bcs_convert=>gc_tab,  
      gc_crlf TYPE c VALUE cl_bcs_convert=>gc_crlf.
```

```

DATA: lv_vf4_mail TYPE solix_tab.

DATA: size TYPE so_obj_len.

DATA: lv_string TYPE string,
      lv_str_conv TYPE string.

DATA: lt_fields TYPE abap_component_tab, " Alan bilgilerini saklayacak iç tablo
      lo_struct TYPE REF TO cl_abap_structdescr, " Structure tanımı için nesne
      ls_field TYPE abap_componentdescr, " Tek tek alanları almak için yapı
      lt_descp TYPE ddfields. " Tek tek alanları almak için yapı

CLEAR: lv_str_conv, lv_string, lt_fields, lo_struct.

" Mevcut structure'i belirtelim (örn: ZMY_STRUCTURE)
lo_struct ?= cl_abap_typedescr->describe_by_name( 'ZSD_077_S_VF04' ).

" Structure içindeki alanları al
lt_fields = lo_struct->get_components( ).

lt_descp = lo_struct->get_ddic_field_list(
            p_langu = sy-langu
            p_including_substructures = abap_false
            ).

* DESCRIBE TABLE lt_fields LINES DATA(lv_lines).

LOOP AT lt_descp INTO DATA(ls_descp).

DATA(lv_tabix) = sy-tabix.

IF lv_tabix EQ lv_lines.
  CONCATENATE lv_string ls_descp-scrtext_1 gc_crlf INTO lv_string.
ELSE.
  CONCATENATE lv_string ls_descp-scrtext_1 gc_tab INTO lv_string.
ENDIF.

ENDLOOP.

LOOP AT lt_vf04 INTO ls_vf04.

LOOP AT lt_fields INTO ls_field.
  CLEAR: lv_tabix.
  lv_tabix = sy-tabix.

  ASSIGN COMPONENT ls_field-name OF STRUCTURE ls_vf04 TO FIELD-SYMBOL(<lv_value>).

  lv_str_conv = <lv_value>.

  IF lv_tabix EQ lv_lines.
    CONCATENATE lv_string lv_str_conv gc_crlf INTO lv_string.
  ELSE.
    CONCATENATE lv_string lv_str_conv gc_tab INTO lv_string.
  ENDIF.

ENDLOOP.

ENDLOOP.

cl_bcs_convert=>string_to_solix(
  EXPORTING
    iv_string = lv_string
    iv_codepage = '4103'
    iv_add_bom = 'X'
  IMPORTING
    et_solix = lv_vf4_mail
    ev_size = size ).

"mail gönderimi
DATA: message TYPE REF TO cl_bcs,      " envelope
      document TYPE REF TO cl_document_bcs,   " letter
      body_texttab TYPE bcsy_text,
      body_text TYPE soli.

message = cl_bcs->create_persistent( ). " message = the email itself

CONCATENATE 'Merhabalar' gc_crlf gc_crlf INTO body_text.

```

```

    CONCATENATE body_text 'Ekte detay bilgisi bulunan sipariş ve teslimatlar 7 günlük süreyi aşmaktadır.
    İvedi olarak kontrol edip faturalarını düzenlemeniz gerekmektedir.'
    gc_crlf gc_crlf INTO body_text.

    CONCATENATE body_text 'İyi Çalışmalar.' INTO body_text.

    APPEND body_text TO body_texttab.

* think of message as the envelope, and document as the letter.
    document = cl_document_bcs->create_document(
        i_type = 'RAW'
        i_text = body_texttab
                    " again, this is just a table containing your message
e body
        i_subject = 'Açıkta Bekleyen Sipariş ve Teslimatlar Hk.' ).           " subject_line is just
text, too

* now you are going to attach your spreadsheet to the letter
    document->add_attachment(
        i_attachment_type      = 'xls'
        i_attachment_subject   = 'Açık Sipariş ve Teslimatlar'          " your file name
* i_attachment_size       = size                                " output of the string_to_solix method
        i_att_content_hex     = lv_vf4_mail ).                      " output of the string_to_solix method

* next, put the letter in the envelope
    message->set_document( document ).

    DATA recipient TYPE REF TO if_recipient_bcs.

    SELECT mail
        FROM zsd077_t_mailusr
        WHERE vkorg EQ @iv_vkorg
        INTO TABLE @DATA(lt_mail).

    IF sy-subrc IS INITIAL.

        LOOP AT lt_mail INTO DATA(ls_mail).

* write the addresses on the envelope
        CLEAR: recipient.
        recipient = cl_cam_address_bcs->create_internet_address( ls_mail-mail ).

        message->add_recipient( recipient ).

    ENDLOOP.

    DATA sent_to_all      TYPE os_boolean.

* finally, send the envelope on its way
    sent_to_all = message->send( i_with_error_screen = 'X' ).
    IF sy-subrc IS INITIAL.
        COMMIT WORK AND WAIT.
    ENDIF.

    ENDIF.

    ENDIF.

    CATCH cx_salv_bs_sc_runtime_info.

*      CONTINUE.

    ENDTRY.

ENDFUNCTION.

```

# VF04 Job mail ana program

31 Temmuz 2025 Perşembe 14:29

```
*&-----*
*& Report ZSD_077_P_VF04_JOB_MAIL
*&-----*
*&
*&-----*
REPORT zsd_077_p_vf04_job_mail.

START-OF-SELECTION.

SELECT vkorg
      FROM tvko
      INTO TABLE @DATA(lt_vkorg).

LOOP AT lt_vkorg INTO DATA(ls_vkorg).

  EXPORT prg_name FROM sy-cprog TO MEMORY ID 'ZSD_077_P_VF04_JOB_MAIL'.

  CALL FUNCTION 'ZSD_077_FM_VF04_SEND_MAIL'
    EXPORTING
      iv_vkorg = ls_vkorg-vkorg.                      " Satış organizasyonu

ENDLOOP.
```

# CDS view'ı SAC'tan görüntüleme işlemi

1 Ağustos 2025 Cuma 13:55

Öncelikle CDS view'umuzu bizden istenen gibi çekiyoruz. SAC tarafında görülebilmesi için ise ODATA.publish: true yapıyoruz ve sonrasında /n/IWFND/MAINT\_SERVICE işlem kodundan hizmet ekleme işlemi yapıyoruz. Bu işlemler ve daha fazlası da aşağıdaki gibidir.

SAC için ERP sistemde CDS yaratıldıktan sonra veri kaynağı olarak SAC içerisinde gözükmemiş durumlarda neler yapıyoruz sıralı adım listesi:

1. Dev sistem içerisinde /n/IWFND/MAINT\_SERVICE tcodeunun içerisinde gidilir. Burada yaratılan CDS, 'Teknik hizmet adı' altından ismiyle aratılır, yeni yaratıldığı için bulunamaz.
2. 'Hizmet Ekle' seçilir.
3. Gelen ekranın Sistem Takma Adı alanına 'LOCAL' yazılır ve entera basılır.
4. Aşağıya dökülen hizmetlerden CDS ismi aratılır, satır seçilir ve 'Seçilen hizmetleri ekle' seçeneği seçilir.
5. Gelen ekranın 'Paket Tayini' kutusuna kullanılan paket bilgisi yazılır.
6. Tekrar /n/IWFND/MAINT\_SERVICE içerisinde yeni yaratılan CDS kontrol edilir, üzerinde tıklandığında 'ICF Düğümleri' altında 'Durum' alanının yeşil yanıyor olması ve 'Sistem takma adları' altının dolu(Local) beklenir.
7. Öncelikle SAC içerisinde ERP dev sisteme bağlanılarak veri kaynağı kontrol edilir. Dev sisteme sorunsuz bir şekilde kaynağın görülmemesi beklenir.

**Request QA sisteme taşıındıktan sonra SAC içerisinde bu sefer QA sistem seçilerek CDS'in seçilebilir olduğu kontrol edilir eğer görüntülenemiyorsa aşağıdaki işlemleri yapılmalıdır.**

8. QA sistem içerisinde /n/IWFND/MAINT\_SERVICE tcodeunun içerisinde gidilir. Burada yaratılan CDS, 'Teknik hizmet adı' altından ismiyle aratılır, bulunan hizmete tıklanılır, 'ICF düğümleri' ve 'Sistem takma adları' başlığı altında düşüm **sarı** görünüyor ve **sistem takma adı bulunmuyor** ve ekran içinde etkinleştirme ve sistem takma adı eklenemiyorsa ;
  1. Tekrar Dev sistem dönülür.
  2. SE01 içerisinde 'Workbench Request' create edilir.
  3. Üst request içerasına girilir change açılır ve  
Program Tanımı: **R3TR**  
Nesne Tanımı: **TABU**  
Object Name: **/IWFND/C\_MGDEAM** yazılır entera basılır.
  4. Function altındaki anahtar simgesine basılır, gelen ekranın boş satırda çift tık atılır.
  5. Açılan tabloda;  
Üst birim(MANDT): **100(client number)**  
Tanımlayıcı(SERVICE\_ID): **CDS\_ISMI\*\_CDS\_001\*** eklenir.  
User Role(Host\_Name): \* seçilerek ilerlenir.

Buradaki tanımlayıcı bilgisini bulmak için SE16 girilir /IWFND/C\_MGDEAM tablosuna gidilir. \*CDS\_ISMI\* yapılarak bulunur. //////////////////////

Requestin içerisinde yapılacaklar bu link üzerinden de takip edilebilir;  
<https://www.itsfullofstars.de/2021/07/transport-sap-gateway-odata-service-system-alias>

9. Yukardaki işlemler yapıldıktan sonra tekrar QA sisteme girilir /n/IWFND/MAINT\_SERVICE içerisinde taşınmak istenen CDS bulunur, bu sefer 'ICF düğümleri' sarı görünüyor ve 'Sistem takma adları' başlığı altında **sistem takma** adı varsa ekran içerisinde satırı seçip etkinleştirme yapılmayı çalışılır eğer olmazsa;
  1. SICF tcodeuna gidilir.
  2. Servis adı kısmına CDS ismi verilir
  3. Açılan en alttaki uzantıya sağ tıklanıp 'Servisi etkinleştir' yapılır.
10. Tekrar QA sistem içerisinde içerisinde /n/IWFND/MAINT\_SERVICE tcodeunun içerasına gidilir ve taşınacak CDS kontrol edilir. ICF düğümleri altında durum yeşil yanıyor olup sistem takma adlarının bulunuyor olması gereklidir □
11. Yeni yaratılan CDS'in hizmet olarak eklenmesi ve paket tayini

## **GÖRSEL ANLATIM**

11. Yeni yaratılan CDS'in hizmet olarak eklenmesi ve paket tayini

Hizmetleri etkinleştir ve bakımlarını yap

Filtre Hizmet ekle Hizmet sil Hizmet ayarları Meta vr.yen.yükle Hata gürültüsü İstatistikler talep et Kataloğu yerle OAuth Dijital DRM İşleme modu Taşınmaya ekle

### Hizmet katalogu

Tür	Hizmet adı	Vers.	Hizmet tanımı	Hizmet adı	Ad alanı	OAuth	Değişken durum	Servis işleme modu
BEP	ZLOGSHUSERINFO_SRV	1	User Info	ZLOGSHINFO_SRV	/LOGSH/	<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli
BEP	ZLOGSHUSERLIST_FILR_SRV	1	Export User to File	ZUSERLIST_FILR_SRV	/LOGSH/	<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli
BEP	ZLOGSHUSERLIST_SRV	1	User List of Interest	ZUSERLIST_SRV	/LOGSH/	<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli
BEP	ZWENDOUG_USER_SERVICE	1	Information Worker - User Service	ZWENDOUG_USERSERVICE	/WFND/	<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli
BEP	ZWM_CDSVIEW_BROWSER	1		ZWM_CDSVIEW_BROWSER		<input type="checkbox"/>		Yalnızlıkla çalıştırın
BEP	ZVOCABULARY_SRV	1		ZVOCABULARY_SRV		<input type="checkbox"/>		Yalnızlıkla çalıştırın
BEP	ZWAREHOUSE_KPIIS_SRV	1	EWM: Depo KPI'leri	ZWAREHOUSE_KPIIS_SRV	/SCWM/	<input type="checkbox"/>		Yalnızlıkla çalıştırın
BEP	ZYITTR_130_CUST_PAY_APPROVE_SRV	1	Ödeme Onay Suresi Servisi	ZYITTR_130_CUST_PAY_APPROVE_SRV		<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli
BEP	ZZB_BUDGET_ENTRY_SRV	1		ZZB_BUDGET_ENTRY_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	ZZB_DASHBOARDS_SRV	1	IPM Dashboards Service	ZZB_DASHBOARDS_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	ZZB_ECOMMERCE_APPL_SRV	1	IPM Dashboards Service	ZZB_ECOMMERCE_APPL_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	ZZM_EOMNT_DSH_SRV	1		ZZM_EOMNT_DSH_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	ZZM_TECHNET_DSH_SRV	1		ZZM_TECHNET_DSH_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	Z2S_BDG_APP_CYC_SRV	1		Z2S_BDG_APP_CYC_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	Z2S_CLT_BDG_BPR_SRV	1	Collective Budget Report	Z2S_CLT_BDG_BPR_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	Z2S_PERSONEL_WORK_SRV	1	Personel Proje Yazılı Saat Raporu	Z2S_PERSONEL_WORK_SRV		<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli
BEP	Z2S_PYM_PLN_RPT_SRV	1	P5002 - Personel İşgücü Yüzde Gen Elçimi	Z2S_PYM_PLN_RPT_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	Z2S_TIMESPENT_SRV	1		Z2S_TIMESPENT_SRV		<input type="checkbox"/>	Desteklenmemiş	Yalnızlıkla çalıştırın
BEP	ZSAC_DL_ALDOCA_CDS	1		ZSAC_DL_ALDOCA_CDS		<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli
BEP	ZSAC_DL_MARA_CDS	1		ZSAC_DL_MARA_CDS		<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli
BEP	ZSAC_TRM_KREDİLER_CDS	1	1 SAC Credit Table	ZSAC_TRM_KREDİLER_CDS		<input type="checkbox"/>	Desteklenmemiş	Yönlendirme temelli

1 ICF düğümü 2 Tarama çadır 3 SAP Gateway etc.

### ICF düğümleri

Düzenle ICF düğümleri Değişken durum kipi oturum zamanı: Tanım

### Sistem takma adları

SAP System Alias Description Default System Metadata U

Filtre

Sistem takma adı	LOCAL	1	Brd.djtn.
Teknik hizmet adı			Versiyon
Hizmet adı			Hizmet işleme kimliği

2 Seden hizmetleri ekle 3

### Arka uç hizmetlerini seç

Tür	Teknik hizmet adı	Vers.	Hizmet tanımı	Hizmet adı	Ad alanı
BEP	UPS_FIELD_DATA_CAPTURE	1	Upstream alan veri girişi için OData paketi	UPS_FIELD_DATA_CAPTURE	
BEP	UPS_FIX_ERROR	1	Upstream hata düzeltme servisi için OData projeleri	UPS_FIX_ERROR	
BEP	UPS_HCA_RESULT	1	Upstream hdro karbon dağılımı için OData projeleri	UPS_HCA_RESULT	
BEP	UPS_HCA_STATUS	1	Upstream hdro karbon dağılımı için OData projeleri	UPS_HCA_STATUS	
BEP	UPS_MNG_HIERARCHY	1	Hyerarşy yönet	UPS_MNG_HIERARCHY	
BEP	UPS_MODEL_PRODUCTION_NETWORK	1	Model üretim ağı ve kümeye OData servisi	UPS_MODEL_PRODUCTION_NETWORK	US
BEP	US	1		V_CNV_2010C_COA_VALUE_HELP_CDS	
BEP	V_CNV_2010C_COA_VALUE_HELP_CDS	1	CDS View for Chart of Account Value Help	VALIDATE_COST_OBJECT_ASSIGN_SRV	
BEP	VALIDATE_COST_OBJECT_ASSIGN_SRV	1	Masraf tasyacı tayinlerinde doğrula ve turet	VBL_APPL_DEF_SRV	
BEP	VBL_APPL_DEF_SRV	1	CL_VBL_APPL_DEF_01_DPC_EXT	VBL_APPL_DEF2_SRV	
BEP	VBL_APPL_DEF2_SRV	1	VBL uygulama taramına ilişkin servis	VBL_CONTENT_UPLOAD_SRV	
BEP	VBL_CONTENT_UPLOAD_SRV	1	Service for VBL GeoJSON Content Upload	VBL_GEOCODER_SRV	
BEP	VBL_GEOCODER_SRV	1	Coğrafi kodlama servisi	VOCABULARY_OUTBOUND_SRV	
BEP	VOCABULARY_OUTBOUND_SRV	1	FDT CP: Sozük öks servisi	WSD_TCAPPRAVOL_SRV	
BEP	WSD_TCAPPRAVOL_SRV	1	Ticari sözleşmeler onay	X_C_BUSPARTCUSTOMERTP_SRV	
BEP	X_C_BUSPARTCUSTOMERTP_SRV	1	Muhafazat müşteri hizmeti	X_C_BUSPARTSUPPLIERTP_SRV	
BEP	X_C_BUSPARTSUPPLIERTP_SRV	1		XL_SVC_INTG_SRV	
BEP	XL_SVC_INTG_SRV	1	ODATA service for Excel integration	ZCO_BUDGET_RTRN_SRV	
BEP	ZCO_BUDGET_RTRN_SRV	1		ZDTINF_TC_MAINT_SRV_IS_OIL	
BEP	ZDTINF_TC_MAINT_SRV_IS_OIL	1	Maintenance of data model	ZPM_EQP_CNT_DSH_SRV	
BEP	ZPM_EQP_CNT_DSH_SRV	1	Equipment Definition Count Dashboard	ZPM_EQP_TIME_DSH_SRV	
BEP	ZPM_EQP_TIME_DSH_SRV	1	Equipment Description Time Dashboard	ZPM_MTR_CST_DSH_SRV	
BEP	ZPM_MTR_CST_DSH_SRV	1	Material Cost Dashboard	ZPM_PRS_NMB_DSH_SRV	
BEP	ZPM_PRS_NMB_DSH_SRV	1	Personnel Number Time Dashboard	ZPM_PRS_WRK_DSH_SRV	
BEP	ZPM_PRS_WRK_DSH_SRV	1	Personnel Working Time Dashboard	ZSAC_TRM_CREDITS_CDS	
BEP	ZSAC_TRM_CREDITS_CDS	1	1 SAC Credit Table	Z99_HAMBURGQUERY_CDS	

2

Hizmet ekle

### Hizmet

Teknik hizmet adı	ZSAC_TRM_CREDITS_CDS
Hizmet versiyonu	1
Tanım	SAC Credit Table
Hizmet adı	ZSAC_TRM_CREDITS_CDS
Ad alanı	
Hizmet işleme kimliği	
Hizmet veri kaynağı türü	C

### Model

Teknik model adı	ZSAC_TRM_CREDITS_CDS
Model versiyonu	1

Oluşturma bilgisi OAuth etkinleştirilmesi

Paket tayıni	ZSAC	<input type="checkbox"/> Hzm.ç,OAuth etkinleştir
		Yerel nesne

OAuth etkinleştirilmesi

İCF düğümü

SAP Gateway OData V2 Hqbr

ICF düğümünde ggrl.istemci vars.stm.olr.belirle

Sistem takma adı (otomatik olarak taşınmadı, manuel olarak taşınır)

SAP sst.ktm.adı	LOCAL	Kıc.rolü
Ana sistem adı		

## 12. Hizmet olarak eklenen CDS'in dev sistemde ICF ve Sistem Takma adları kontrolü

Hizmetleri etkinleştir ve bakımlarını yap

Hizmet ekle  Hizmet sil  Hizmet ayırtlan  Meta nr.yen.yükle  Hata gündeği  İsteklerden talep et  Kataloğu yenile  OAuth  Döş.drm.  İşleme modo  Taşımaya elle

**Hizmet kataloğu**

Tür	Tüm hizmet adı	Vers. Hizmet tanımı	Hizmet adı	Ad alanı	Oluşt.	Değerlendirmenin durum	Servis işlem mode
BEP	ZLOGSAH/USERINFO_SRV	1 User Info	USERINFO_SRV	/LOGSAH/	<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli
BEP	ZLOGSAH/USERLIST_FILE_SRV	1 Export User to File	USERLIST_FILE_SRV	/LOGSAH/	<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli
BEP	ZLOGSAH/USERLIST_SRV	1 User List of Interest	USERLIST_SRV	/LOGSAH/	<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli
WWINDSG	USER_SERVICE	1 Information Partner - User Service	USERSERVICE	/WWINDSG/	<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli
BEP	ZWDR_CDSVIEW_BROWSER	1	XDM_CDSVIEW_BROWSER		<input checked="" type="checkbox"/>	Yazılım birlikte dağıtılmış	Yazılım birlikte dağıtılmış
BEP	ZYOCABULARY_SRV	1	YOCABULARY_SRV		<input checked="" type="checkbox"/>	Yazılım birlikte dağıtılmış	Yazılım birlikte dağıtılmış
BEP	ZBPM_BUDGET_APP_SRV	1 EWC: Depo KPI'leri	ZBPM_BUDGET_APP_SRV	/SCWMU/	<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli
BEP	ZITTR_LID_CUST_PAY_APPROVE_SRV	1 Odeme Onay Sureti Servisi	YITTR_LID_CUST_PAY_APPROVE_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli
BEP	ZIM_BUDGET_ENTRY_SRV	1	ZIM_BUDGET_ENTRY_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZIM_DASHCARDS_SRV	1 PM Dashboards Service	ZIM_DASHCARDS_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZIM_DSHBHD_APP_SRV	1 PM Dashboards Service	ZIM_DSHBHD_APP_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZIM_FORMAT_DSH_SRV	1	ZIM_FORMAT_DSH_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZIM_TECHUNIT_DSH_SRV	1	ZIM_TECHUNIT_DSH_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZEP_BOG_ARC_CYC_SRV	1	ZEP_BOG_ARC_CYC_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZPS_BOG_ARC_RPT_SRV	1 Collective Budget Report	ZPS_BOG_ARC_RPT_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZPS_BOG_ARC_SSR_SRV	1 Personel Proje Yüzde Saat Raporu	ZPS_BOG_ARC_SSR_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZPS_PERSONNEL_WORK_SRV	1 PS9002 - Personel İyigidi Yüzde Giriş Elemanı	ZPS_PERSONNEL_WORK_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZPS_PYM_PLN_RPT_SRV	1	ZPS_PYM_PLN_RPT_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZPS_TIMESPENT_SRV	1	ZPS_TIMESPENT_SRV		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yazılım birlikte dağıtılmış
BEP	ZSAC_DUL_ACDOCA_CDS	1	ZSAC_DUL_ACDOCA_CDS		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli
BEP	ZSAC_DUL_MARA_CDS	1	ZSAC_DUL_MARA_CDS		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli
BEP	ZSAC_TRM_CREDITS_CDS	1 SAC Credit Table	ZSAC_TRM_CREDITS_CDS		<input checked="" type="checkbox"/>	Değerlendirmeyen	Yönlendirme temelli

ICF dökümleri  Tarayıcı çapı  SAP Gateway etc.

Se,talema adı ekle  Se,talema adı kaldır  Özelleştirme  Hizmet uygulaması

**ICF dökümleri**

Düzen	ICF dökümleri	Değerlendirmen kipi oturum zamanı	Tanım	SAP System Alias	Description	Default System	Metadata	User Role
ODATA	00:00:00	SAP Gateway OData V2	LOCAL	Local System Alias				

## 13. SAC içerisinde dev sistem içinde CDS'in görüntülenmesi

New Query for SAP S/4HANA

**Query Information**

\*Query Name

Please enter a name.

Build a Query  Freehand Query

**ZSAC\_TRM\_CREDITS**

SAC Credit Table

**ZSAC\_TRM\_CREDITS**

Click to Select

## 14. Request Dev ➔ QA taşındıktan sonra CDS'in kaynak olarak QA sistemde gözükmemesi ve kontrolleri

Hizmetleri etkinleştir ve bakımlarını yap

Filtre Hizmet ekle Hizmet sil Hizmet ayırtlan Meta vr.yen.yükle Hata gürültüsü İstatistikler talep et Kataloğu yenile OAuth Dış.drm İşleme modu Taşımaya ekle

**Hizmet katalogu**

Tür	Teknik hizmet adı	Vers.	Hizmet tanımı	Hizmet hizmet adı	Ad alanı	OAuth	Değişken durum	Servis işlem mode
BEP	/LOGSH/USER_DETAILS.SRV	1	User Details	USER_DETAILS.SRV	/LOGSH/	<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	/USER_MENU	1		USER_MENU	/012/	<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	/LOGSH/USERLIST.LTS	1		USERLIST.LTS		<input type="checkbox"/>	Yazar birlikte dağıtılan	
BEP	/LOGSH/USERINFO.SRV	1	User Info	USERINFO.SRV	/LOGSH/	<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	/LOGSH/USERLIST.FILE.SRV	1	Export User to File	USERLIST.FILE.SRV	/LOGSH/	<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	/LOGSH/USERLIST.SRV	1	User List of Interest	USERLIST.SRV	/LOGSH/	<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	/WFM/USER_SERVICE	1	Information Worker - User Service	USERSERVICE	/WFM/	<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZWAREHOUSE.KPIIS.SRV	1	EWM: Depo KPI'leri	WAREHOUSE.KPIIS.SRV	/SCWM/	<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	YITR.130.CUST.PAY.APPROVE.SRV	1	Ödeme Onay Sureti Servisi	YITR.130.CUST.PAY.APPROVE.SRV		<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZEM.BUDGET_ENTRY.SRV	1		ZEM.BUDGET_ENTRY.SRV		<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	ZPM.DASHRD_APP.SRV	1	PM Dashboards Service	ZPM.DASHRD_APP.SRV		<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	ZPM.EQMTN_DSH.SRV	1		ZPM.EQMTN_DSH.SRV		<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	ZPM.TECHUNIT_DSH.SRV	1		ZPM.TECHUNIT_DSH.SRV		<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	ZPS.BDG.APR.CYC.SRV	1	Collective Budget Report	ZPS.BDG.APR.CYC.SRV		<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	ZPS.CLT.BDG.RPR.SRV	1	Personel Proje Yüzde Saat Raporu	ZPS.CLT.BDG.RPR.SRV		<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	ZPS.PERSONEL.WORK.SRV	1	Personnel Projeleri Yüzde Saat Raporu	ZPS.PERSONEL.WORK.SRV		<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZPS.PYM.PLN.RPT.SRV	1	PS002 - Personel İşgücü Yüzde Saat Raporu	ZPS.PYM.PLN.RPT.SRV		<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	ZPS.TIMESPNT.SRV	1		ZPS.TIMESPNT.SRV		<input type="checkbox"/>	Desteklenmeyen	Yazar birlikte dağıtılan
BEP	ZSAC.DLL.ACDOCA.CDS	1		ZSAC.DLL.ACDOCA.CDS		<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZSAC.DLL.MARA.CDS	1		ZSAC.DLL.MARA.CDS		<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZSAC.TRM.CREDITS.CDS	1	SAC Credit Table	ZSAC.TRM.CREDITS.CDS		<input type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli

ICF düğümü Tarayo çapı SAP Gateway ist.

**ICF düğümleri**

Durum	ICF düğümü	Değişken durum kipi oturum zaman a... Tanım
<input checked="" type="checkbox"/>	ODATA	00:00:00 SAP Gateway OData V2

**Sistem takma adları**

SAP System Alias	Description	Default System	Me
------------------	-------------	----------------	----

## 15. Dev sisteme geri dönüp yeni bir request alınması ve içine eklenenler

Transport Organizer (Extended View)

Display Transports Piece Lists Client Deliveries

User D\_COKATAN

**Request Type**

Customizing Requests  
 Workbench Request  
 Transport of Copies  
 Relocations

**Global Information**

**Transport Proposals**

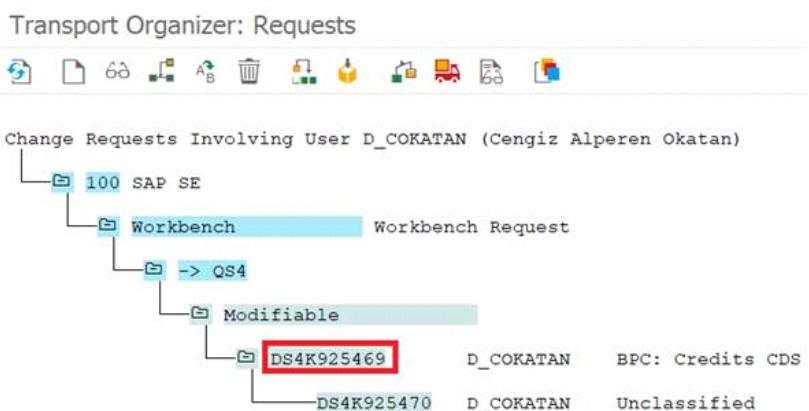
**Create Request**

Customizing Request  
 Workbench Request

**Request Status**

Modifiable  
 Released

Display



Change request/task DS4K925469

Talep/görev DS4K925469 Workbench Request

Properties Objects Documentation Status

Short Description Pro... Ne... Object Name  
Table Contents R3TR TABU /IWFND/C\_MGDEAM

1. Yukardaki bilgiler girilip enter basılır  
2. Devamında anahtara tıklanır.

Change request/task DS4K925469

Talep/görev DS4K925469 Workbench Request

Properties Objects Documentation Status

Key for object R3TR TABU /IWFND/C\_MGDEAM (Customizing table: Routing for OData Services)

Language: -- IMG Activity: -

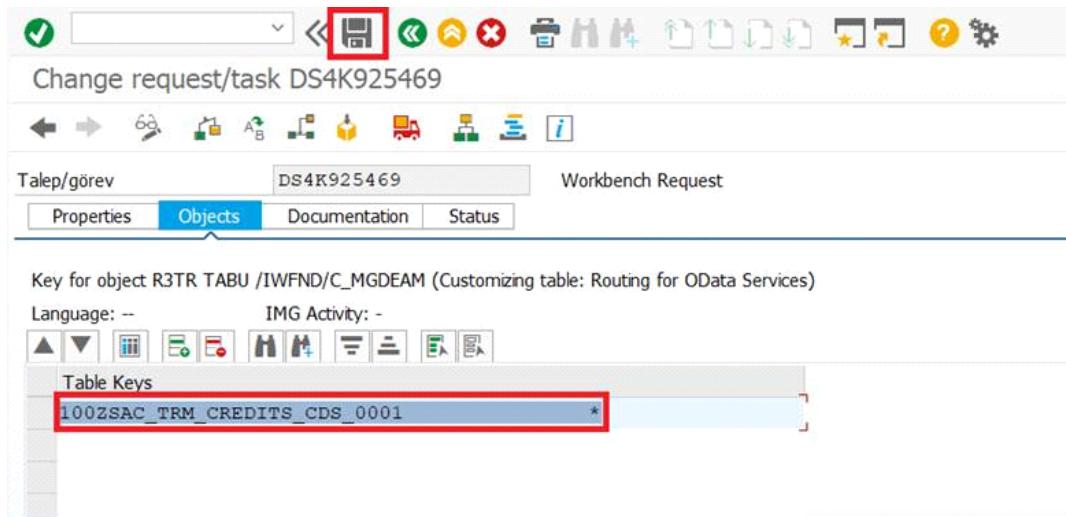
Table Keys

Satırı çift tıklanır içine girilir

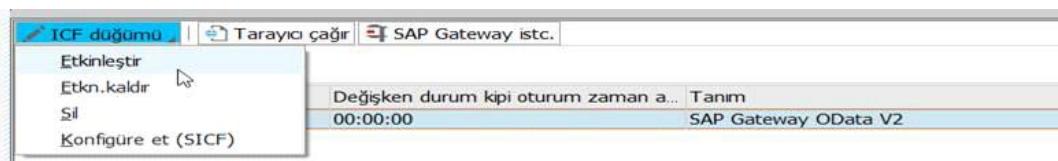
Change Key for Table /IWFND/C\_MGDEAM

Medium Label	Alan adı	T...	Lnghth	Key Value
Üst birim	MANDT	C	3	100 Client Number
Tanımlayıcı	SERVICE_ID	C	40	ZSAC_TRM_CREDITS_CDS_0001 CDS isminin sonuna /CDS_001
User Role	USER_ROLE	C	30	*
Host Name	HOST_NAME	C	120	
System Alias	SYSTEM_ALIAS	C	16	

SERVICE\_ID için SE16'dan /IWFND/C\_MGDEAM tablosuna girilir ve \*CDS\_ISMI\* yapılarak istenen service bulunur.



16. Request taşınır ve QA sistemde /n/IWFND/MAINT\_SERVICE kontrol edilir, Sistem takma adları görünüyor ICF düğümü sarı yanıyorsa;



Eğer bu çalışmıyorsa SICF tcodeuna gidilir.;

Servislerin bakımı	
<input type="button" value="Düzenle"/>	<input type="button" value="Sil"/>
ICF hierarşisi çağrısı için filtre	
Hierarşi tipi	SERVICE
Sanal ana sistem	
Servis yolu	
Servis adı	ZSAC_TRM_CREDITS_CDS
Referans servis	
Tanım	
Dil	Türkçe
Ayrıntı bilgileri için filtre	
Yaratınan	
Yaratma tarihi	son
Son değiştirilen	
Değişiklik tarihi	son

Servislerin bakımı

Ana sistem/servis yarat Harici kodlar Sistem izleme etkin

Filtre ayırtlan

Sanal ana ss.	Servis yolu:	
Servis adı	ZSAC_TRM_CREDITS_CDS	
Tanım		
Dil	Türkçe	Ref.servis:
<input type="button" value="Kullan"/>		<input type="button" value="Genel"/> <input type="button" value="Ayrıntılar"/>

Sanal ana sistemler / hizmetler Dokumentasyon Referans servis

- ✓ default\_host SANAL VARSAYILAN ANA SİSTEM
- ✓ sap SAP ad alanı; SAP bu alt ağaçta HTTP çerçevesi...
- ✓ opu OData for SAP Products
- ✓ odata SAP Gateway OData V2 Namespace
- ✓ sap ZSAC\_TRM\_CREDITS\_CDS<sup>Yeni alt öğe</sup>
  - Srv.görüntüle
  - Servisi sil
  - Srv.yen.adlandır
  - Srv.eknineştir**
  - Srv.edin.kaldır
  - Servisi dene
  - Servise referanslar
  - Nesne kdg.grısı
  - Kes
  - Kopyala
  - Yapıştır

Hizmetleri etkinleştir ve bakımlarını yap

Hizmet ekle Hizmet sil Hizmet ayırtlan Meta vr.yen.yükle Hata gürültüsü İstansları talep et Kataloğu yenile OAuth DOS drm. İşleme modu Taşımaya elle

### Hizmet kataloğu

Tür	Teknik hizmet adı	Vers. Hizmet tanımı	Hizmet hizmet adı	Ad alanı	OAuth	Değişken durum	Servis işlem mode
BEP	/LOGONUSER_DETAILS_SRV	1 User Details	USER DETAILS SRV	/LOG5AH/	<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZUSER_MENU	1	USER MENU	/U12/	<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZUSERDEFAULTS	1	USERDEFAULTS		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	/LOGONUSERINFO_SRV	1 User Info	USERINFO SRV	/LOG5AH/	<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	/LOGONUSERLIST_FILE_SRV	1 Export User to File	USERLIST FILE SRV	/LOG5AH/	<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	/LOGONUSERLIST_SRV	1 User List of Interest	USERLIST_SRV	/LOG5AH/	<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	/INFINIOS_USER_SERVICE	1 Information Worker - User Service	USERSERVICE	/IWFD/	<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZWAREHOUSE_KPIIS_SRV	1 EWM- Depo KPİleri	WAREHOUSE_KPIIS_SRV	/SCVM/	<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	YITIR_I30_CUST_PAY_APPROVE_SRV	1 Ödeme Onay Sureti Servisi	YITIR_I30_CUST_PAY_APPROVE_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZIM_BUDGET_ENTRY_SRV	1	ZIM_BUDGET_ENTRY_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZIM_DASHBRO_APP_SRV	1 PM Dashboards Service	ZIM_DASHBRO_APP_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZIM_EQMT_DSH_SRV	1	ZIM_EQMT_DSH_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZIM_TECHUNIT_DSH_SRV	1	ZIM_TECHUNIT_DSH_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZPS_BDG_APP_CYC_SRV	1	ZPS_BDG_APP_CYC_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZPS_CLT_BDG_HRR_SRV	1 Colective Budget Report	ZPS_CLT_BDG_HRR_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZPS_PERSONEL_WORK_SRV	1 Personel Proje Yüzde Saat Raporu	ZPS_PERSONEL_WORK_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZPS_PERSONNEL_WORK_SRV	1 PS002 - Personel İşguci Yüzde Gri Ekran	ZPS_PERSONNEL_WORK_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZPS_PYM_PLN_RPT_SRV	1	ZPS_PYM_PLN_RPT_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZPS_TIMESPRINT_SRV	1	ZPS_TIMESPRINT_SRV		<input checked="" type="checkbox"/>	Desteklenmeyen	Yahz birlikte dağıtan
BEP	ZSAC_DLL_ADOCCO_CDS	1	ZSAC_DLL_ADOCCO_CDS		<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZSAC_DLL_MARA_CDS	1	ZSAC_DLL_MARA_CDS		<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli
BEP	ZSAC_TRM_CREDITS_CDS	1 SAC Credit Table	ZSAC TRM CREDITS CDS		<input checked="" type="checkbox"/>	Desteklenmeyen	Yönlendirme temelli

**ICF dğlumi**

Durum: ICF dğlumu	Değişken durum kpi oturum zaman a.: Tanım	
OCAK ODATA	00:00:00	SAP Gateway OData V2

**IÇERİKLİ DÜĞÜMLER**

S.Çıktı adı elle	S.Çıktı adı kadr	Ozellikler	Hizmet uygulaması
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**Sistem takma adları**

SAP System Alias	Description	Default System	Metadata	User Role
LOCAL	Local System Alias	<input checked="" type="checkbox"/>		

**İşlem tamamdır SAC içerisinde veri kaynağı tekrar kontrol edilebilir:**

Kaynak <[https://itellicloud-my.sharepoint.com/personal/ozcan\\_elmaci\\_bs\\_nttdata\\_com/Documents/Desktop/ABAP%20Notlar/SAC/CDS'i%20veri%20kaynağı%20olarak%20SAC'a%20eklemek%20\(1\).docx](https://itellicloud-my.sharepoint.com/personal/ozcan_elmaci_bs_nttdata_com/Documents/Desktop/ABAP%20Notlar/SAC/CDS'i%20veri%20kaynağı%20olarak%20SAC'a%20eklemek%20(1).docx)>

## Custom Field için Custom CDS View Value Help Kullanımı

23 Eylül 2025 Salı 00:19

Merhaba Arkadaşlar,

Bugün karşılaştığım bir sorunla ilgili bulduğum çözümü sizlerle de paylaşmak istedim. Belki benzer bir durumda sizlerin de işine yarayabilir.

Custom Fields uygulamasında bir Custom alan eklerken, bu alana bir CDS view'i value help olarak bağlamak mümkün. Böylece ilgili alan bir Fiori uygulamasına filtre vb. şekilde eklendiğinde, otomatik olarak search help özelliği aktif hale geliyor.

Standart value help CDS'leri bağlayabildiğimiz gibi, aşağıda anlatacağım yöntemle kendi oluşturduğumuz custom CDS'leri de bağlayabiliyoruz.

Öncelikle, search help olarak kullanabilmek için gerekli annotation'larla birlikte bir **view entity** oluşturuyoruz.

```
@ObjectModel.dataCategory: #VALUE_HELP  
@Search.searchable: true
```

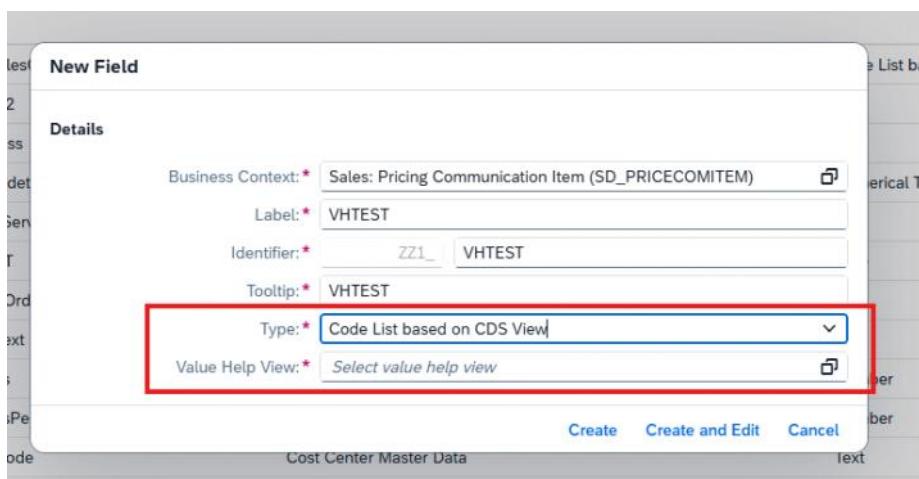
```
1 @AccessControl.authorizationCheck: #NOT_REQUIRED
2 @ObjectModel.dataCategory: #VALUE_HELP
3 @EndUserText.label: 'Lacquer (outside) VH'
4 @Search.searchable: true
5
6 define view entity ZI_VHTTEST as select from cabn as a
7   inner join I_ClnfCharcValueForKeyDate( P_KeyDate: $session.system_date ) as b
8   on a.atinn = b.CharcInternalID
9   and a.atnam = 'GM_LAQTYPE'
10
11  left outer join I_ClnfCharcValueDescForKeyDate( P_KeyDate: $session.system_date ) as c
12  on b.CharcInternalID = c.CharcInternalID
13  and b.CharcValuePositionNumber = c.CharcValuePositionNumber
14  and c.Language = $session.system_language
15 {
16
17 @Search.defaultSearchElement : true
18 @EndUserText.label : 'Lacquer (outside)'
19   key b.CharcValue as Value,
20 @Search.defaultSearchElement : true
21 @EndUserText.label : 'Description'
22   c.CharcValueDescription as Description
23 }
24
```

Bu kısım için aşağıdaki dokümanlara göz atabilirsiniz, burada detaya girmiyorum:

<https://community.sap.com/t5/technology-blog-posts-by-members/create-cds-value-help-or-f4-help-for-in-app-field-custom-fields/ba-p/13556603>

<https://help.sap.com/docs/abap-cloud/abap-development-tools-user-guide/creating-cds-value-help?locale=en-US>

Daha sonra, **Custom Fields** uygulamasına giderek alanı oluşturuyoruz. "Code List based on CDS View" seçeneğini seçtiğimizde, oluşturduğumuz CDS view'i Value Help View'in arama listesinden seçmek gerekiyor ancak ilk aşamada **listede görünmüyör**:

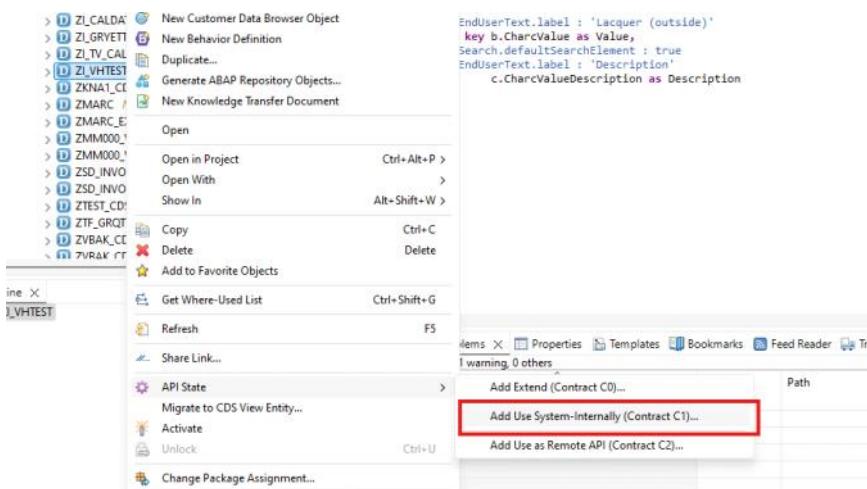


Select: Value Help View					
<input type="text" value="Search"/> <span style="float: right;">Show Filter Bar</span> <span style="float: right;">Filters (2)</span>					
<b>Views (758)</b>					
Name	Description	Source Origin	Value Help View	Custom Entity	More
Z21_dummy	dummy	Custom CDS views	<input checked="" type="checkbox"/>		...
ZI_VATTreatmentValueHelp	VatTreatment Value Help	ABAP Development Tools	<input checked="" type="checkbox"/>		...
Z_C_SOABW	Sonderabwicklung	ABAP Development Tools	<input checked="" type="checkbox"/>		...
I_WrkCtrBySemanticKeyStdVH	Work Center By Semantic Key	ABAP Development Tools	<input checked="" type="checkbox"/>		...
I_WorkPackageWorkItemStdVH	Work Item of Work Package	ABAP Development Tools	<input checked="" type="checkbox"/>		...
I_WorkPackageStdVH	Work Package	ABAP Development Tools	<input checked="" type="checkbox"/>		...
I_WorkforcePersonVH	Workforce Person Association Target	ABAP Development Tools	<input checked="" type="checkbox"/>		...
I_WorkCenterStdVH	Work Center	ABAP Development Tools	<input checked="" type="checkbox"/>		...

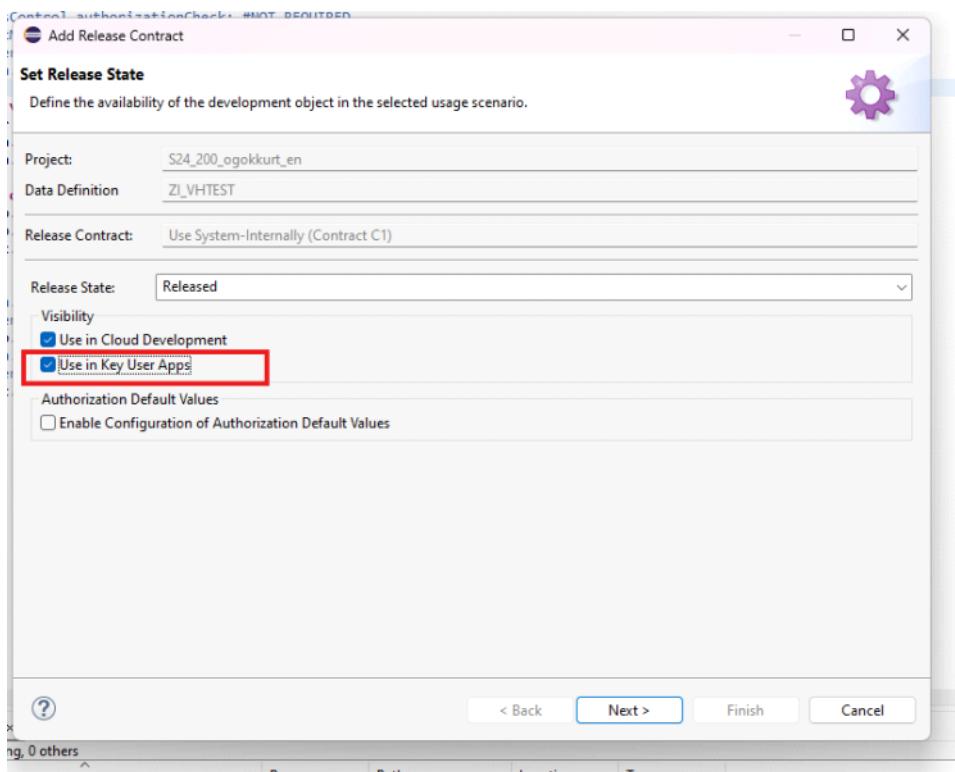
Bu noktada, CDS'in listede görünebilmesi için SAP'in belirttiği şekilde **"C1 sözleşmesine göre key user uygulamalarında kullanım için yayınlanması"** gerekiyor:

2. Next, select a value help view from the value help. You can either select a CDS-based view, or you can select a custom entity. A custom entity can be created using ADT in the context of developer extensibility. This will enable you to implement your value help using ABAP code. For more information on how to do this, see [Using a CDS Custom Entity for Data Modeling](#). The custom entity has to be released for use in key user apps according to the C1 contract. For more information on this release contract, see [Use System-Internally \(C1\)](#).

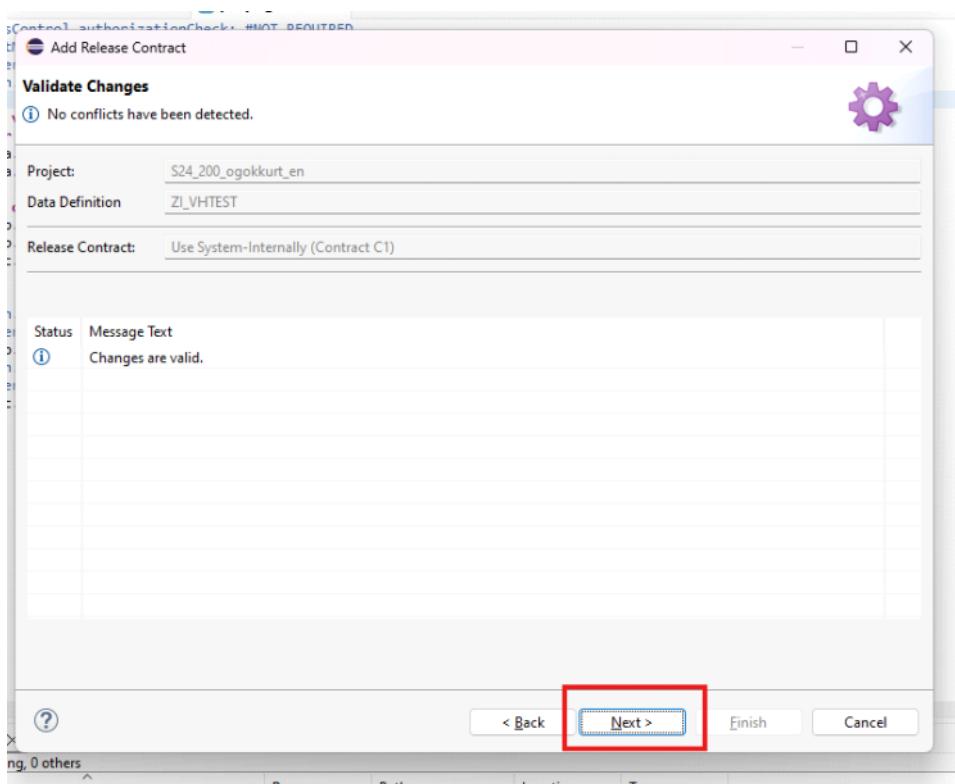
Bunun için Eclipse üzerinde CDS'e sağ tıklıyoruz → API State → Add Use System-Internally (Contract C1) seçiyoruz:



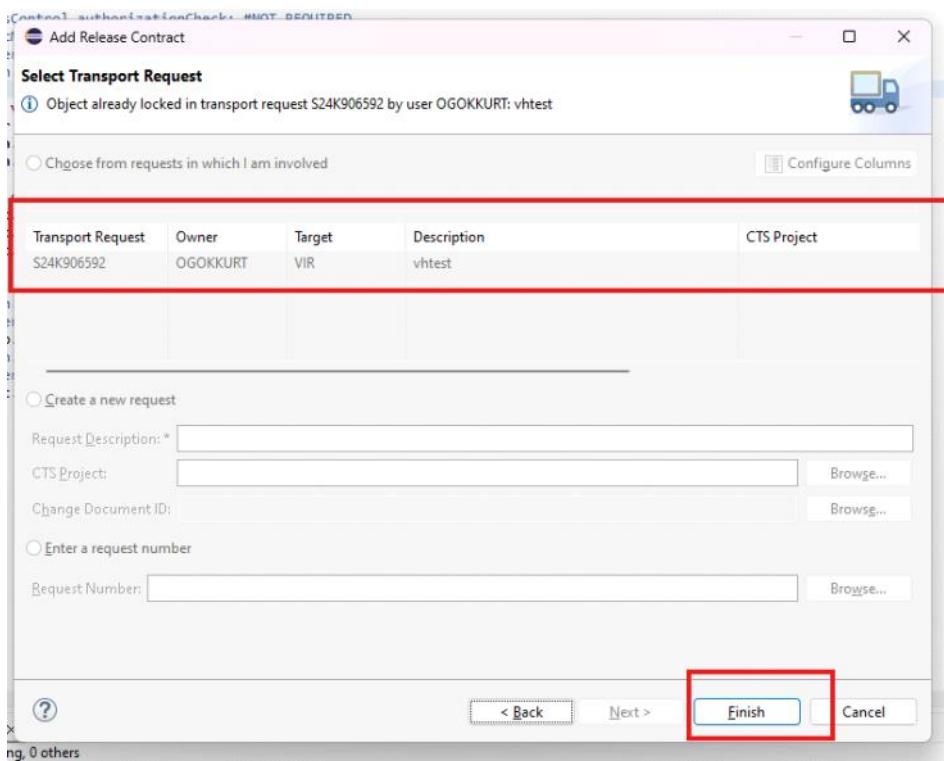
Açılan ekranda Use in Key User Apps seçeneğini işaretleyip Next ile ilerliyoruz.



Açılan ekranda varsa hatalar listeneliyor. Yoksa Next ile ilerliyoruz.



En son olarak Request seçip Finish ile işlemi tamamlıyoruz.



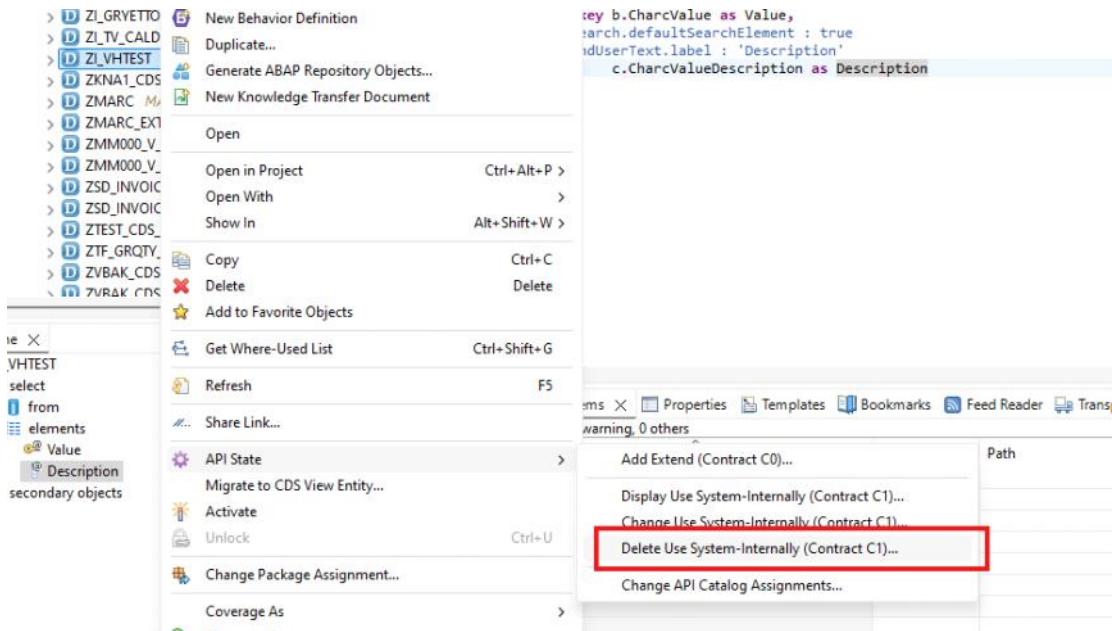
Bu adımdan sonra CDS view listede görünür hale geliyor ve seçilebiliyor:

The screenshot shows the SAP Fiori interface for selecting a value help view. The table has columns: Name, Description, Source Origin, Value Help View, and Custom Entity. Two rows are highlighted with a red box: ZL\_VHTTEST (Description: Lacquer (outside) VH, Source Origin: ABAP Development Tools) and ZL\_VHTTESTValueHelp (Description: Lacquer (inside) VH, Source Origin: ABAP Development Tools). At the bottom, there are buttons for 'Cancel' and 'Published'.

Not: CDS üzerinde tekrar değişiklik yapmak istediğinizde aşağıdaki hatayı alıyorsunuz:



API State → Delete Use System-Internally (Contract C1) ile silip değişiklik yapabilirsiniz.  
Ardından gerekli revizeleri yaptıktan sonra tekrar aynı adımlarla ekleyebilirsiniz.



SAP Dokumani:

[https://help.sap.com/docs/ABAP\\_PLATFORM\\_NEW/b5670aaaa2364a29935f40b16499972d/acb2907f362944a5a9e1b5eb86e769dc.html?version=202210.latest&locale=en-US](https://help.sap.com/docs/ABAP_PLATFORM_NEW/b5670aaaa2364a29935f40b16499972d/acb2907f362944a5a9e1b5eb86e769dc.html?version=202210.latest&locale=en-US)

İyi Çalışmalar

Kaynak <<https://outlook.office.com/mail/inbox/id/AAkALgAAAAAHYQDEapmEc2byACqAC%2FEVwg0At4oPiU0f0CD2IBo0%2B9X6OAB5%2FPYggAA?nativeVersion=1.2025.911.100>>

# On-Value Request Search help manipulation

6 Ekim 2025 Pazartesi 17:34

```
AT SELECTION-SCREEN ON VALUE-REQUEST FOR s_mtart-low.  
go_object->set_mtart_f4( EXPORTING iv_s_option = 'S_MTART' ).  
  
AT SELECTION-SCREEN ON VALUE-REQUEST FOR s_mtart-high.  
go_object->set_mtart_f4( EXPORTING iv_s_option = 'S_MTART' ).  
  
  
SELECT t~mtart,  
       tt~mtbez  
  FROM t134 AS t  
 LEFT OUTER JOIN t134t AS tt ON tt~mtart EQ t~mtart  
                           AND tt~spras EQ @sy-langu  
 ORDER BY t~mtart ASCENDING  
 INTO TABLE @DATA(lt_mtart).  
  
DELETE lt_mtart WHERE NOT mtart CP 'Z*'.  
  
CALL FUNCTION 'F4IF_INT_TABLE_VALUE_REQUEST'  
  EXPORTING  
    retfield      = 'MTART' "internal table field  
    dynpprog     = sy-repid "program name  
    dynpnrr      = sy-dynnr "screen number  
    dynproffield = iv_s_option "screen field name  
    value_org    = 'S'  
  TABLES  
    value_tab     = lt_mtart "internal table  
  EXCEPTIONS  
    parameter_error = 1  
    no_values_found = 2  
    OTHERS          = 3.  
  
CLEAR: lt_mtart.
```

# CDS Search help domain ile birlikte

9 Ekim 2025 Perşembe 16:32

The screenshot shows the SAP ABAP Source Code editor interface. The title bar says "Data Definition" and the path is "/DDMS/SO\_CDS\_081". The status bar indicates "Active". Below the title bar, there are two tabs: "Properties" and "Source Code", with "Source Code" being the active tab. The main area displays the ABAP code for a CDS View named SO\_CDS\_081. The code includes annotations like @AbapCatalog.sqlViewName, @AbapCatalog.compiler.compareFilter, and @AccessControl.authorizationCheck. It defines a view that selects from dd07t, casting domvalue\_1 to abstk (rejectionCode) and ddtext to ddms/so\_de035 (rejectionCodeDescription). The WHERE clause filters by domname = 'ZAESD\_DM279', ddlanguage = \$session.system\_language, and as4local = 'A'. The code is numbered from 1 to 14.

```
ADT-Link: adt://ASQ/sap/bc/adt/ddic/ddl/sources/%2fddms%2fso_cds_081/source/main

1 @AbapCatalog.sqlViewName: '/DDMS/SO_081V'
2 @AbapCatalog.compiler.compareFilter: true
3 @AbapCatalog.preserveKey: true
4 @AccessControl.authorizationCheck: #CHECK
5 @EndUserText.label: 'Rejection Code Search Help'
6 define view /DDMS/SO_CDS_081
7   as select from dd07t
8 {
9   key cast( domvalue_1 as abstk ) as rejectionCode,
10      cast( ddtext as /ddms/so_de035 ) as rejectionCodeDescription
11 }
12 where domname      = 'ZAESD_DM279'
13   and ddlanguage = $session.system_language
14   and as4local    = 'A'
```

```
@AbapCatalog.sqlViewName: '/DDMS/SO_081V'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@EndUserText.label: 'Rejection Code Search Help'
define view /DDMS/SO_CDS_081
  as select from dd07t
{
  key cast( domvalue_1 as abstk ) as rejectionCode,
  cast( ddtext as /ddms/so_de035 ) as rejectionCodeDescription
}
where domname      = 'ZAESD_DM279'
  and ddlanguage = $session.system_language
  and as4local    = 'A'
```

## Fiori Filtre Sorunu İçin kod

15 Ekim 2025 Çarşamba 16:08

"beg:ML-10814-Sevk edilecek ürünler raporunda sıralamanın yanlış çalışması filtre düzeltme-OELMACI/GGUMUS-15.10.2025

```
DATA(lt_order_by) = io_tech_request_context->get_orderby( ).  
  
LOOP AT lt_order_by INTO DATA(ls_order_by).  
CASE ls_order_by-order.  
WHEN `asc`.  
    SORT et_entityset STABLE BY (ls_order_by-property) ASCENDING.  
WHEN `desc`.  
    SORT et_entityset STABLE BY (ls_order_by-property) DESCENDING.  
ENDCASE.  
ENDLOOP.
```

"end:ML-10814-Sevk edilecek ürünler raporunda sıralamanın yanlış çalışması filtre düzeltme-OELMACI/GGUMUS-15.10.2025

# ZBC\_P\_DYANMIC\_REPORT\_TOP

Sunday, December 17, 2023 4:35 PM

```
*&-----*
*& Include           ZBC_P_DYANMIC_REPORT_TOP
*&-----*
*"->> Tablolar
TABLES:
  mard.

*"->> Class Tanimlamaları
CLASS lcl_main DEFINITION DEFERRED.
DATA go_main TYPE REF TO lcl_main.

*"->> Internal Tanimlamaları

DATA : i_newtab TYPE REF TO data,
      i_newlin TYPE REF TO data.

FIELD-SYMBOLS: <table>      TYPE STANDARD TABLE,
                <structure>.

*"->> Screen Tanimlamaları
DATA:
  alv_main_0100 TYPE REF TO cl_gui_alv_grid,
  cnt_main_0100 TYPE REF TO cl_gui_docking_container.

TYPES: BEGIN OF ty_lgort,
        matnr TYPE mard-matnr,
        lgort TYPE mard-lgort,
        labst TYPE mard-labst,
      END OF ty_lgort.

DATA: gt_lgort TYPE TABLE OF ty_lgort.

DATA: mt_recs  TYPE TABLE OF zbc_s001_dyamic_report.

*"->> Selection Screen
SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE TEXT-s01.

PARAMETER:
  p_werks TYPE mard-werks,
  p_matnr TYPE mard-matnr.

SELECTION-SCREEN END OF BLOCK b1.
```

# ZBC\_P\_DYANMIC\_REPORT\_LCD

Sunday, December 17, 2023 4:36 PM

```
*&-----*
*& Include           ZBC_P_DYANMIC_REPORT_LCD
*&-----*

CLASS lcl_main DEFINITION.

PUBLIC SECTION.

CLASS-METHODS:
    initialization.

METHODS:

    start_of_selection,
    end_of_selection,
    table_for_first_display,
    refresh_table_display,
    process_before_output,
    process_after_input.

PRIVATE SECTION.

METHODS:

    range_assingmetns,
    retrieve_data,
    merge_fieldcatalog
        IMPORTING i_str_name      TYPE tablename
        EXPORTING et_fieldcatalog TYPE lvc_t_fcat,
    change_fcat_attribute
        CHANGING ct_fieldcatalog TYPE lvc_t_fcat,
    dynamic_column_adding
        CHANGING ct_fieldcatalog TYPE lvc_t_fcat,
    create_dynamic_table
        IMPORTING it_fieldcatalog TYPE lvc_t_fcat,
    layout_variants_handlers
        EXPORTING es_layout      TYPE lvc_s_layo
                                es_variant   TYPE disvariant,
    putting_values,
    exit_buttons.

ENDCLASS.
```

# ZBC\_P\_DYANMIC\_REPORT\_LCI

Sunday, December 17, 2023 4:36 PM

```
*&-----*
*& Include          ZBC_P_DYANMIC_REPORT_LCI
*&-----*
CLASS lcl_main IMPLEMENTATION.

METHOD initialization.

go_main = NEW lcl_main( ).

ENDMETHOD.

METHOD start_of_selection.

"Range değerlerinin atanması
range_assingmetns( ).

"Verilerin alınması
retrieve_data( ).

ENDMETHOD.

METHOD range_assingmetns.

ENDMETHOD.

METHOD retrieve_data .

SELECT DISTINCT mard~werks, mard~matnr, mara~ernam
FROM mara
INNER JOIN mard
    ON mard~matnr EQ mara~matnr
INTO CORRESPONDING FIELDS OF TABLE @mt_recs
WHERE mard~matnr EQ @p_matnr
    AND mard~werks EQ @p_werks.

SELECT matnr, lgort, labst FROM mard
INTO CORRESPONDING FIELDS OF TABLE @gt_lgort
FOR ALL ENTRIES IN @mt_recs
    WHERE matnr EQ @mt_recs-matnr.

ENDMETHOD.

METHOD end_of_selection.

    CALL SCREEN 0100.
*
ENDMETHOD.

METHOD table_for_first_display.

"Alv main docking container olarak yaratılıyor
CREATE OBJECT alv_main_0100
    EXPORTING
```

```

        i_parent = cnt_main_0100.

"Fieldcatalog oluşumu
merge_fieldcatalog(
  EXPORTING
    i_str_name      = 'ZBC_S001_DYNAMIC_REPORT'
  IMPORTING
    et_fieldcatalog = DATA(it_fieldcatalog)
) .

"Layout, varyant ve handlers
layout_variants_handlers(
  IMPORTING
    es_layout   = DATA(is_layout)
    es_variant = DATA(is_variant)
) .

putting_values( ) .

"Display
CALL METHOD alv_main_0100->set_table_for_first_display
  EXPORTING
    is_layout      = is_layout
    is_variant     = is_variant
    i_save         = 'A'
  CHANGING
    it_outtab     = <table>
    it_fieldcatalog = it_fieldcatalog[].

ENDMETHOD.

METHOD refresh_table_display.

DATA: stbl TYPE lvc_s_stbl.

CLEAR stbl.
stbl-col = stbl-row = abap_true.

CALL METHOD alv_main_0100->refresh_table_display
  EXPORTING
    is_stable      = stbl
    i_soft_refresh = abap_true.

ENDMETHOD.

METHOD merge_fieldcatalog.

CALL FUNCTION 'LVC_FIELDCATALOG_MERGE'
  EXPORTING
    i_structure_name      = i_str_name
  CHANGING
    ct_fieldcat          = et_fieldcatalog
  EXCEPTIONS
    inconsistent_interface = 1
    program_error          = 2
    OTHERS                  = 3.

change_fcat_attribute(
  CHANGING
    ct_fieldcatalog = et_fieldcatalog
) .

dynamic_column_adding(

```

```

    CHANGING
      ct_fieldcatalog = et_fieldcatalog
    ).

  create_dynamic_table( it_fieldcatalog = et_fieldcatalog ) .

ENDMETHOD.

METHOD change_fcat_attribute.

*   LOOP AT ct_fieldcatalog ASSIGNING FIELD-SYMBOL(<rec_fcat>).
*     CASE <rec_fcat>-fieldname.
*       WHEN ''.
*       WHEN ''.
*     ENDCASE.
*   ENDLOOP.

ENDMETHOD.

METHOD dynamic_column_adding.

DATA(lines) = lines( ct_fieldcatalog ).

LOOP AT gt_lgort ASSIGNING FIELD-SYMBOL(<lgort>).

  DATA(lv_index) = sy-tabix + lines.

  APPEND VALUE # ( fieldname = <lgort>-lgort
    ref_field = 'LABST'
    ref_table = 'MARD'
    qfieldname = 'MEINS'
    coltext = <lgort>-lgort
    scrtext_l = <lgort>-lgort
    scrtext_m = <lgort>-lgort
    scrtext_s = <lgort>-lgort
    reptext = <lgort>-lgort
    col_pos = lv_index
    ) TO ct_fieldcatalog.

ENDLOOP.

ENDMETHOD.

METHOD create_dynamic_table.

CALL METHOD cl_alv_table_create=>create_dynamic_table
  EXPORTING
    it_fieldcatalog           = it_fieldcatalog
  IMPORTING
    ep_table                  = i_newtab
  EXCEPTIONS
    generate_subpool_dir_full = 1
    OTHERS                     = 2.

  ASSIGN i_newtab->* TO <table>.

  CLEAR i_newlin.
  CREATE DATA i_newlin LIKE LINE OF <table>.
  ASSIGN i_newlin->* TO <structure>.

ENDMETHOD.

```

```

METHOD layout_variants_handlers.

"Layout
CLEAR es_layout.
es_layout = VALUE #( cwidth_opt = abap_true
                      zebra      = abap_true
                    ) .

"Variant
CLEAR es_variant.
es_variant = VALUE #( report = sy-repid ).

*   "Handlers
*   SET HANDLER:
*       handle_user_command FOR alv_main_0100,
*       handle_toolbar       FOR alv_main_0100,

ENDMETHOD.

METHOD putting_values.

LOOP AT mt_recs ASSIGNING FIELD-SYMBOL(<rec>).

MOVE-CORRESPONDING <rec> TO <structure>.

LOOP AT gt_lgort ASSIGNING FIELD-SYMBOL(<lgort>) WHERE matnr = <rec>-matnr.

    ASSIGN COMPONENT <lgort>-lgort OF STRUCTURE <structure> TO FIELD-
SYMBOL(<value>).
    IF <value> IS ASSIGNED.
        <value> = <lgort>-labst.
        UNASSIGN <value>.
    ENDIF.

ENDLOOP.

APPEND <structure> TO <table>.

ENDLOOP.

ENDMETHOD.

METHOD process_before_output.

SET PF-STATUS 'STATUS_0100'.
SET TITLEBAR 'TITLE_0100' WITH sy-uname.

IF cnt_main_0100 IS INITIAL.

    table_for_first_display( ).
ELSE.

    refresh_table_display( ).
ENDIF.

ENDMETHOD.

METHOD process_after_input.
CASE sy-ucomm.
    WHEN '&F03' OR '&CANCEL' OR '&EXIT'.
        exit_buttons( ).
ENDCASE.

```

```
ENDMETHOD.  
  
METHOD exit_buttons.  
  SET SCREEN 0.  
  LEAVE TO SCREEN 0.  
ENDMETHOD.  
  
ENDCLASS.
```

# ZBC\_P\_DYANMIC\_REPORT\_SCR

Sunday, December 17, 2023 4:37 PM

```
*&-----*
*& Include           ZBC_P_DYANMIC_REPORT_SCR
*&-----*
*&-----*
*& Module STATUS_0100 OUTPUT
*&-----*
*&
*&-----*
MODULE status_0100 OUTPUT.

go_main->process_before_output( ).

ENDMODULE.

*&-----*
*&      Module   USER_COMMAND_0100  INPUT
*&-----*
*      text
*&-----*
MODULE user_command_0100 INPUT.

go_main->process_after_input( ).

ENDMODULE.
```