

```

*&-----*
*& Report ZBAPI_UPLOAD
*&-----*
*&
*&-----*
REPORT zbapi_upload_extend.

TYPES: BEGIN OF lty_data,
        matnr      TYPE matnr,
        mbrsh      TYPE mbrsh,
        mtart      TYPE mtart,
        maktx      TYPE maktx,
        meins      TYPE meins,
        zssystem    TYPE zdesystem, *****
*****
        zzmtype    TYPE zdemtype, *****
*****
        END OF lty_data.

DATA: lt_data TYPE TABLE OF lty_data,
      ls_data TYPE lty_data.

DATA: ls_headdata    TYPE bapimathead,
      ls_clientdata  TYPE bapi_mara,
      ls_clientdatax TYPE bapi_marax.

DATA: lt_materialdescription TYPE TABLE OF bapi_makt,
      ls_materialdescription TYPE bapi_makt.

DATA: ls_return TYPE bapiret2,
      lt_return TYPE TABLE OF bapiret2.

DATA: ls_te_mara  TYPE bapi_te_mara, *****ext
      ls_te_marax TYPE bapi_te_marax. *****ext

DATA: lt_extensionin TYPE TABLE OF bapiparex, *****ext
      ls_extensionin TYPE bapiparex, *****ext
      lt_extionsionx TYPE TABLE OF bapiparexx, *****ext
      ls_extensioninx TYPE bapiparexx. *****ext

DATA: lv_file TYPE string.

PARAMETERS: p_file TYPE localfile.

*****
* importing the data

AT SELECTION-SCREEN ON VALUE-REQUEST FOR p_file.

    CALL FUNCTION 'KD_GET_FILENAME_ON_F4'
    EXPORTING
        program_name = syst-
repid      " Modulpool program name for screen field
        dynpro_number = syst-
dynnr      " Dynpro number where F4 help is needed
        field_name    = space      " name of field where path is to be
entered              =            " Langer Pfadname

```

```

CHANGING
    file_name      = p_file.          " Path name selected by user with
h help of Filemgr .

```

```

START-OF-SELECTION.

```

```

    lv_file = p_file. " type casting in this function filename is string however
p_file is char 128.

```

```

*****
* When you want to upload a Excel file, just one change - Instead of GUI_UPLOAD,
use the FM : TEXT_CONVERT_XLS_TO_SAP.

```

```

CALL FUNCTION 'GUI_UPLOAD'
EXPORTING
    filename      = lv_file          " Name der Datei
*    filetype     = 'ASC'
    has_field_separator = 'X'      " Spalten durch TAB getrennt bei ASCII Upload
TABLES
    data_tab      = lt_data          " Übergabetabelle für Datei-Inhalt
EXCEPTIONS
    file_open_error      = 1        " Datei nicht vorhanden, kann nicht geöffnet werden
    file_read_error      = 2        " Fehler beim Lesen der Datei
    no_batch              = 3        " Frontend-Funktion im Batch nicht ausführbar.
    gui_refuse_filetransfer = 4      " Falsches Frontend oder Fehler im Frontend
    invalid_type          = 5        " Falscher Parameter FILETYPE
    no_authority          = 6        " Keine Berechtigung für Upload
    unknown_error         = 7
    bad_data_format       = 8        " Daten in der Datei können nicht interpretiert werden.
    header_not_allowed    = 9        " Header ist nicht zulässig.
    separator_not_allowed = 10       " Separator ist nicht zulässig.
    header_too_long       = 11       " Die Headerinformation ist zu groß (maximal 1023 Bytes)
    unknown_dp_error      = 12       " Fehler beim Aufruf des Data Providers
    access_denied         = 13       " Zugriff auf Datei nicht erlaubt.
    dp_out_of_memory      = 14       " Nicht genug Speicher im Data Provider
    disk_full             = 15       " Speichermedium ist voll.
    dp_timeout            = 16       " Timeout des Data Providers
    OTHERS                = 17.

```

```

LOOP AT lt_data INTO ls_data.

```

```

ls_headdata-material = ls_data-matnr.
ls_headdata-ind_sector = ls_data-mbrsh .
ls_headdata-matl_type = ls_data-mtart .
ls_headdata-basic_view = 'X' .    "

ls_clientdata-base_uom = ls_data-meins.
ls_clientdatax-base_uom = 'X'.

ls_materialdescription-langu = sy-langu.
ls_materialdescription-matl_desc = ls_data-maktx.

APPEND ls_materialdescription TO lt_materialdescription.
CLEAR ls_materialdescription.

*****ext
" extension
ls_te_mara-material = ls_data-
matnr.      " new extension from bapi_te_mara
ls_te_mara-zzsystem = ls_data-zzsystem.    " new extension from kunden
ls_te_mara-zzmttype = ls_data-zzmttype.    " new extension from kunden
*****ext
" corresponding struructure from bapi_te_marax
ls_te_marax-material = ls_data-matnr.
ls_te_mara-zzsystem = 'X'.                  " new extension from kunden
ls_te_mara-zzmttype = 'X'.                  " new extension from kunden

*****
*****ext      "logic
ls_extensionin-structure = 'BAPI_TE_MARA'.
ls_extensionin-valuepart1 = ls_te_mara.
APPEND ls_extensionin TO lt_extensionin.
CLEAR ls_extensionin.

ls_extensioninx-structure = 'BAPI_TE_MARAX'.
ls_extensioninx-valuepart1 = ls_te_marax.
APPEND ls_extensioninx TO lt_extensioninx.
CLEAR ls_extensioninx.

CALL FUNCTION 'BAPI_MATERIAL_SAVEDATA'
EXPORTING
    headdata          = ls_headdata
    clientdata        = ls_clientdata
    clientdatax       = ls_clientdatax    "if dont pass the this SAP d
ont understand which of part of info should be updated
*    plantdata        = lv_plantdata
*    plantdatax       = lv_plantdatax
*    valuationdata    = lv_valuationdata
*    valuationdatax   = lv_valuationdatax
*    storagelocationdata = lv_storagelocationdata
*    storagelocationdatax = lv_storagelocationdatax
IMPORTING
    return            = ls_return
TABLES
    materialdescription = lt_materialdescription
*    returnmessages    = it_returnmessages.

```

```

extensionin          = lt_extensionin          *****ext
extensioninx         = lt_extensioninx.        *****ext

APPEND ls_return TO lt_return.
CLEAR :ls_return, ls_headdata, ls_clientdata, ls_clientdatax.
*****ext
" extension
CLEAR: ls_te_mara, ls_te_marax.

REFRESH lt_materialdescription.  "should be refreshed.otherwise come
same the data

REFRESH: lt_extensionin, lt_extionsionx.  *****ext
ENDLOOP.

*****
* show the results of the process
DATA: lo_alv TYPE REF TO cl_salv_table.

TRY.
    cl_salv_table=>factory(
        IMPORTING r_salv_table = lo_alv
        CHANGING  t_table      = lt_return          ).

    lo_alv->display( ).

CATCH cx_salv_msg INTO DATA(lx_msg).
    MESSAGE lx_msg->get_text( ) TYPE 'S'.
ENDTRY.

*****ext
" extensionin with help of this can we extend bapi. on bapi function sp
ringen global data should be seen the corresponding structure.
" with this structure name on se 11 extend the new columns.
" but structure started with b we cannot change this structure.
" with help of append structure (on the right side of menu), (BAPI_TE_MAR
A)
" click append the structure
" create append
" give name
" started with Z then ok
" component      typing method      component type
" zz...          types              data element
" zz....         types              data element
" save and activate
" make the same thing for corresponding structure which is BAPI_TE_MARAX
" we should the create the structure new one we can not use the above str
uctre that is created for BAPI_TE_MARA
" create append
" give name
" started with Z then ok
" component      typing method      component type
" zz...          types              bapiupdate      <== domäne is X or ' '.
" zz....         types              bapiupdate      <==
" save and activate

```

```
" on se 11 mara append structure
" create new
" give name
" started with Z then ok
" compenent    typing method    component type
" zz...        types            data element
" zz....       types            data element
" save and activate
```