

Download data from tables with user defined Delimiters

The data present in the tables has to be downloaded into some flat files for processing. Normally we can download with a only a specified set of delimiters. In this program we can download data to flat files with any user defined delimiter apart from the standard tab delimiter.

The Source Code.

```
*-----*
* Report ZC1DOWNLOAD
*-----*
* Description      : This Program helps to download data from tables
*                   into a flat with default as well as user defined
*                   delimiters.
* Program By       : Kathirvel Balakrishnan.
* Created on       : 24 December 2004.
* Transport Request: PDCK902348.
* Development Class: ZC1DEVCLASS.
* Transaction Code :
*-----*

REPORT  zc1download message-id zc1dwnmsg.

*&-----*
*& Declaration Section for the Tables *
*&-----*

TABLES: makt.

*&-----*
*& Declaration Section for the Internal Tables
*&-----*
DATA: intab TYPE TABLE OF makt,
      wa_intab LIKE LINE OF intab,
      no_of_rec TYPE i,
      count TYPE i.

DATA: BEGIN OF f_intab,
      str(255) TYPE c,
      END OF f_intab.

DATA: t_intab LIKE TABLE OF f_intab,
      w_intab LIKE LINE OF t_intab,
      temp(255) TYPE c.

FIELD-SYMBOLS: <f> TYPE ANY.

*&-----*
*& Selection ScreenSection for the file download
*&-----*
SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE text-001.

PARAMETERS: file TYPE rlgrap-filename MEMORY ID file,
            tab RADIOBUTTON GROUP rad1 DEFAULT 'X',
            others RADIOBUTTON GROUP rad1,
            delimit TYPE c.

SELECTION-SCREEN END OF BLOCK b1.
```

START-OF-SELECTION.

```
IF file IS INITIAL. " check to ensure file.
  MESSAGE i001.
  EXIT.
ENDIF.
IF others = 'X'. " check to ensure delimiter.
  IF delimit = ' '.
    MESSAGE i002.
    EXIT.
  ENDIF.
ENDIF.
```

SELECT * FROM makt INTO TABLE intab.

```
IF tab = 'X'. " default delimiter tab is used
  CALL FUNCTION 'WS_DOWNLOAD'
    EXPORTING
      filename           = file
      filetype           = 'DAT'
      mode                = 'A'
    TABLES
      data_tab           = intab
    EXCEPTIONS
      file_open_error    = 1
      file_write_error   = 2
      invalid_filesize   = 3
      invalid_type       = 4
      no_batch           = 5
      unknown_error      = 6
      invalid_table_width = 7
      gui_refuse_filetransfer = 8
      customer_error     = 9
      no_authority       = 10
      OTHERS              = 11.
  IF sy-subrc <> 0.
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
      WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
  ENDIF.
```

ELSE. " If user defined delimiter is to be used

```
*           Counts the number of fields *
DO.
  ASSIGN COMPONENT sy-index OF STRUCTURE wa_intab TO <f>.
  IF sy-subrc <> 0.
    EXIT.
  ELSE.
    count = count + 1.
  ENDIF.
ENDDO.
```

LOOP AT intab INTO wa_intab.

```
DO count TIMES. " Adding the delimiter in required places
  ASSIGN COMPONENT sy-index OF STRUCTURE wa_intab TO <f>.
  CONCATENATE temp delimit <f> INTO temp.
ENDDO.
SHIFT temp.
APPEND temp TO t_intab.
```

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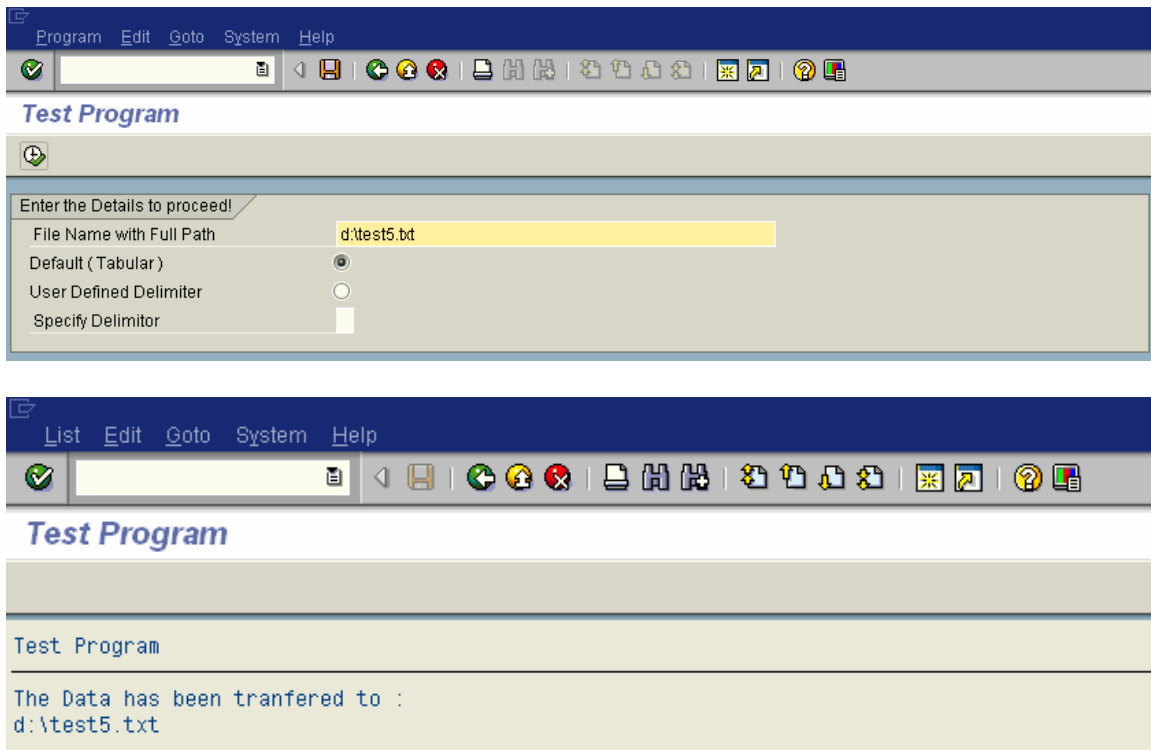
```
CLEAR temp.

ENDLOOP.

CALL FUNCTION 'WS_DOWNLOAD'
  EXPORTING
    filename      = file
    filetype      = 'ASC'
    mode          = 'A'
  TABLES
    data_tab      = t_intab
  EXCEPTIONS
    file_open_error      = 1
    file_write_error     = 2
    invalid_filesize     = 3
    invalid_type         = 4
    no_batch             = 5
    unknown_error        = 6
    invalid_table_width  = 7
    gui_refuse_filetransfer = 8
    customer_error       = 9
    no_authority         = 10
    OTHERS               = 11.
IF sy-subrc <> 0.
  MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
    WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.
ENDIF.
ENDIF.

WRITE: / 'The Data has been tranfered to : ', file.
```

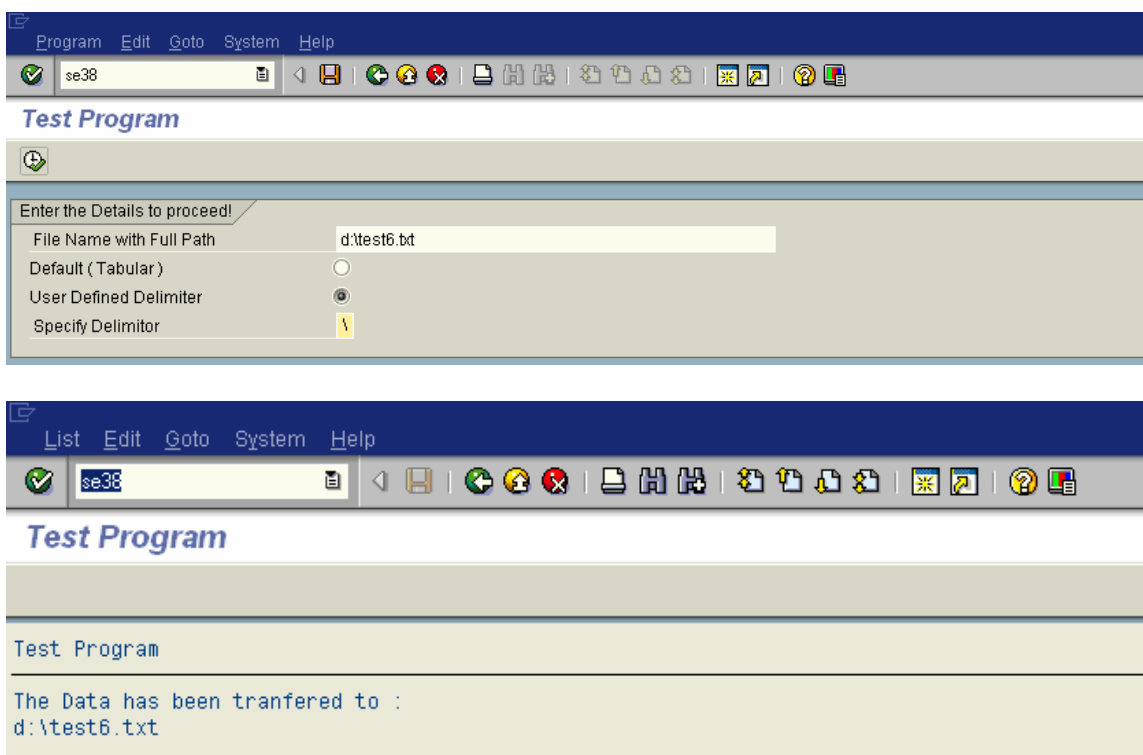
Screen Shots – Tab Delimiter



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```
test5 - Notepad
File Edit Format View Help
110 000000000000000023 E Test material TEST MATERIAL
110 ADDGD E HJMGHMGHMGMGHMGMGHMGM HJMGHMGHMGMGHMGMGHMGM
110 ABCD1 E test first material TEST FIRST MATERIAL
110 ABCD2 E test first materia2 TEST FIRST MATERIA2
110 ABCD3 E test first materia3 TEST FIRST MATERIA3
110 ABCD4 E test first materia4 TEST FIRST MATERIA4
110 ABCD5 E test first materia 5 TEST FIRST MATERIA 5
110 ABCDE1 E description abcde1 DESCRIPTION ABCDE1
110 MYTEST6 E test material TEST MATERIAL
110 NEWITEM E NewItem test NEWITEM TEST
110 MYTEST3 E test material 1 TEST MATERIAL 1
110 MYTEST1 E testing material TESTING MATERIAL
110 MYTEST5 E test material 1 TEST MATERIAL 1
110 MYTEST2 E testing material TESTING MATERIAL1
110 00000000000000071 E des nmh reset for CATT2 DES NMH RESET FOR CATT2
110 LGF23-3 E LGF23-3DESC-F LGF23-3DESC-F
110 LGF23-4 E LGF23-4DESC-F LGF23-4DESC-F
110 LGF23-5 E LGF23-5DESC-F LGF23-5DESC-F
110 LGF23-6 E LGF23-6DESC-F LGF23-6DESC-F
110 LGF23-7 E LGF23-7DESC-F LGF23-7DESC-F
110 LGF23-8 E LGF23-8DESC-F LGF23-8DESC-F
110 LGF23-9 E LGF23-9DESC-F LGF23-9DESC-F
110 LGF23-1 E LGF23-1DESC-F LGF23-1DESC-F
110 LGF23-2 E LGF23-2DESC-F LGF23-2DESC-F
110 ROA_TEST1 E Test FERT1 for Roanoke TEST FERT1 FOR ROANOKE
110 TEST E TEST MATERIAL TEST MATERIAL
110 MYTEST10 E Test Data for Material TEST DATA FOR MATERIAL
110 TEST1234 E test data TEST DATA
110 TEST555 E MATERIAL LIST MATERIAL LIST
110 TEST556 E MATERIAL LIST MATERIAL LIST
110 TEST557 E MATERIAL LIST MATERIAL LIST
110 00000000000000024 E desc1 DESC1
```

Screen Shots – User Defined Delimiter



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[illegible]