

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.

*&-----*
*& Declarati on Secti on for the Tables *
*&-----*

TABLES: makt.

*&-----*
*& Declarati on Secti on 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.

*&-----*
*& Selecti on ScreenSecti on 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.
```

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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_tablewidth = 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



