m_utl_chg_delimiter.sas File Reference

Utilities

Utility macro to replace a delimited list with a new delimiter

Description

The macro replaces all specified delimiters from an input text string with a new specified delimiter string. If the IN_DLM parameter value contains multiple characters, then any instance of the detected character will be replaced by the specified OUT_DLM parameter value. If OUT_DLM contains multiple characters then all the characters will be used as one delimiter. If the OUT_DLM parameter value is a blank, then the macro works like the compress function. Furthermore the result list can be quoted by setting either single or double quotation marks. This macro is originally based on the ut_chg_dlm.sas macro program by Dave Prinsloo (dave.prinsloo@yahoo.com)

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Date

2020-10-22 00:00:00

Version

20.1.10

Link

https://github.com/paul-canals/toolbox

Parameters

Input	help	Parameter, if set (Help or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call.
Input	list	Character string containing a textual of words separated by any delimiter or delimiter combination. The default value for LIST is: _NONE_.
Input	in_dlm	Input list of one or more delimiters. The default value for IN_DLM is a _blank_.
Input	out_dlm	Output delimiter text string. The default value for OUT_DLM is a _comma_.
Input	quotes	Indicator [NO|YES|SINGLE] to select the output quoted list type. _YES_ adds double quotes, and _SINGLE_ adds single quotes around the complete result list. The default value is: NO.
Input	dlm	Alias of the IN_DLM= parameter.
Input	newdlm	Alias of the OUT_DLM= parameter.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- Result delimited list.

Calls

- m_utl_print_message.sas
- m_utl_print_mtrace.sas

Usage

Example 1: Show help information:

```
%m_utl_chg_delimiter(?)
```

Example 2: Change a blank delimited list into a comma separated list:

```
proc sql noprint;
   select Name
     into :girls separated by ' '
     from SASHELP.class
    where Sex='F'
   ;
quit;

%put &=girls.;

%let list=
   %m_utl_chg_delimiter(
      list   = %str(&girls.)
    , newdlm = %str(, )
    , debug  = Y
      );

%put &=list.;
```

Example 3: Change a blank delimited list into a single quoted and comma separated list:

```
proc sql noprint;
   select Name
     into :girls separated by ' '
     from SASHELP.class
    where Sex='F'
   ;
quit;

%put &=girls.;

%let list=
   %m_utl_chg_delimiter(
      list   = %str(&girls.)
    , newdlm = %str(', ')
    , quotes = SINGLE
    , debug  = Y
      );

%put &=list.;

proc print data=SASHELP.class(where=(Name in (&list.)));
run;
```

Example 4: Change a multi separated list into a single comma separated list:

```
%let list=
   %m_utl_chg_delimiter(
      list   = %str(James,Jeffrey#John Philip,Robert)
    , dlm    = %str(,# )
    , newdlm = %str(", ")
    , quotes = Y
    , debug  = Y
      );

%put &=list.;

proc print data=SASHELP.class(where=(Name in (&list.)));
run;
```

Example 5: Change a name-quotes comma separated list into a blank separated list:

```
data WORK.class;
   set SASHELP.class;
   rename
      name = 'Name (Student)'n
      sex  = 'Gender (F/M)'n
      age  = 'Age (Years)'n
      ;
run;

%let list=
   %m_utl_chg_delimiter(
      list   = %str('Name (Student)'n,'Gender (F/M)'n,'Age (Years)'n)
    , dlm    = %str(,)
    , newdlm = %str( )
    , quotes = N
    , debug  = Y
      );

%put &=list.;

proc print data=WORK.class (keep=&list.);
run;
```

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