m_utl_vw2xpt.sas File Reference

Utilities

Utility macro to export a SAS view to a XPT transport file

Description

This program converts a SAS view into a SAS transport (XPT) file. This is a method to transport views independently from one operating system or host to another or different system.

Note

Note that if the data set is V5 compliant, all variable names will be upcased when stored in the V5 transport file. This is consistent with the XPORT engine. If the SAS dataset name contains over 8 characters, or if any variable name exceeds 8 characters, or has any characters that are not letters, digits, or underscore, or if any character variable exceeds length 200, then a V5 transport file cannot be created. If AUTO is in effect then V8 format will be assumed in such cases. If any format or informat name exceeds a length of 8 characters, then V9 format will be assumed in such cases.

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20.1.09

Link

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

Parameters

Input	help	Parameter, if set (or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call.
Input	base_vw	Full LIBNAME.VIEWNAME name of the SAS view. The default value is: _NONE_.
Input	xpt_file	Specifies the name of the XPT transport file and path to which the file is to be written. If the file that you specify does not exist, then it will be created for you. The default value for XPT_FILE is: _NONE_.
Input	format	Indicator [V5|V8|V9|AUTO] parameter to specify the format of the transport file. Valid values are: V5 (for V5 transport), V8 (for V8 extended transport), V9 (for V9 extended transport) or AUTO (format is determined by BASE_DS data). The default value for FORMAT is: AUTO.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- Output XPT transport file containing member VW_DESCRIBE.

Calls

- m_utl_create_dir.sas
- m_utl_describe_view.sas
- m_utl_print_message.sas
- m_utl_print_mtrace.sas
- m_utl_quote_elems.sas

Usage

Example 1: Show help information:

```
%m_utl_vw2xpt(?)
```

Example 2: Create a XPT transport file from a SAS data step view:

```
data WORK._dsvview / view=WORK._dsvview;
    set SASHELP.class;
    where Sex eq "F";
run;

%m_utl_vw2xpt(
   base_vw  = WORK._dsvview
 , xpt_file = %str(%sysfunc(getoption(WORK))/dsvview.xpt)
 , format   = AUTO
 , debug    = Y
   );

filename class "%sysfunc(getoption(WORK))/dsvview.xpt";

data _null_;
    infile class;
    input;
    put _infile_;
run;

filename class clear;
```

Example 3: Create a XPT transport file from a SAS SQL view:

```
proc sql noprint;
    create view WORK._sqlview as
    select *
      from SASHELP.class
     where Sex eq "M"
    ;
quit;

%m_utl_vw2xpt(
   base_vw  = WORK._sqlview
 , xpt_file = %str(%sysfunc(getoption(WORK))/sqlview.xpt)
 , format   = AUTO
 , debug    = Y
   );

filename class "%sysfunc(getoption(WORK))/sqlview.xpt";

data _null_;
    infile class;
    input;
    put _infile_;
run;

filename class clear;
```

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