

m_utl_xpt2vw.sas File Reference

Utilities

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

Description

This program converts a SAS transport (XPT) file into a SAS view. The macro is able to handle V5 transport files written by the SAS XPORT engine. It should also be able to handle V8 or V9 extended transport files created by companion vw2xpt macro.

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Version

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 | in_file | Specifies the name and location of the transport file with XPT extension. The default value for IN_FILE is: _NONE_. |
| Input | out_lib | Specifies the full name of the output library reference name. The default value is: _NONE_. |
| Input | memlist | Specifies the SAS dataset member in the IN_FILE transport file containing the SAS view creation code structure information. The default value for MEMLIST is: VW_DESCRIBE. |
| Input | replace | Boolean [Y N] parameter to specify if the output view is to be replaced in case it already exists in the OUT_LIB library. The default value is: Y. |
| Input | debug | Boolean [Y N] parameter to provide verbose mode information. The default value is: N. |

Returns

- Output SAS view based on code from member VW_DESCRIBE.

Calls

- [m_utl_print_message.sas](#)
- [m_utl_print_mtrace.sas](#)

Usage

Example 1: Show help information:

```
%m_utl_xpt2vw(?)
```

Example 2: Step 1 - Create a SAS DSV view description table VW_DESCRIBE:

```
data WORK.vw_describe;
  source = 'WORK.dsv_class';
  libref = 'WORK';
  view   = 'DSV_CLASS';
  type   = 'SASDSV';
  code   = 'data WORK.dsv_class / view=WORK.dsv_class; set SASHELP.class; run;';
run;
```

Example 2: Step 2 - Export the description table to a XPT transport file:

```
%loc2xpt(
  libref      = WORK
  , memlist   = vw_describe
  , filespec  = %unquote(%bquote('%sysfunc(getoption(WORK))/class.xpt'))
  , format    = AUTO
);
```

Example 2: Step 3 - Import the class.xpt transport file into a SAS view:

```
%m_utl_xpt2vw(
  in_file = %str(%sysfunc(getoption(WORK))/class.xpt)
  , out_lib = WORK
  , replace = Y
  , debug   = Y
);

proc contents data=WORK.dsv_class;
run;
```

Example 3: Step 1 - Create a SAS SQL view description table VW_DESCRIBE:

```
data WORK.vw_describe;
  source = 'WORK.sql_class';
  libref = 'WORK';
  view   = 'SQL_CLASS';
  type   = 'SASESQL';
  code   = 'proc sql; create view WORK.sql_class as select * from SASHELP.class; quit;';
run;
```

Example 2: Step 2 - Export the description table to a XPT transport file:

```
%loc2xpt(
  libref      = WORK
  , memlist   = vw_describe
  , filespec  = %unquote(%bquote('%sysfunc(getoption(WORK))/class.xpt'))
  , format    = AUTO
);
```

Example 2: Step 3 - Import the class.xpt transport file into a SAS view:

```
%m_utl_xpt2vw(
  in_file = %str(%sysfunc(getoption(WORK))/class.xpt)
  , out_lib = WORK
  , replace = Y
  , debug   = Y
);

proc contents data=WORK.sql_class;
run;
```

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