

m_utl_ddl2ds.sas File Reference

Utilities

Utility macro to import a DDL file to create a SAS dataset

Description

This program executes an DDL file to create a SAS dataset. The macro is able to handle parameterized custom library rerefence name (libref), custom dataset name (table) and dataset encryption (creds) using the PRM macro call values.

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Version

22.1.11

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 external DDL file with SAS extension. The default value for IN_FILE is: _NONE_.
Input	in_enc	Optional. Specifies the original encoding value of the IN_FILE source file.
Input	prm_flg	Boolean [Y N] parameter to specify whether the input DDL contains the identical libref, table name, and credentials as required or set to parameterize this information by using macro variables instead. If PRM_FLG=Y, the library name, table name and optional credentials are replaced by the PRM_LIB, PRM_TBL, and PRM_CREDS values. The default value is: N.
Input	prm_lib	Optional. Parameter to specify a value for the custom macro variable LIBREF in the DDL file.
Input	prm_tbl	Optional. Parameter to specify a value for the custom macro variable TABLE in the DDL file.
Input	prm_creds	Optional. Parameter to specify a value for the custom macro variable CREDS in the DDL file. The following parameter value syntax is to be respected to work properly: encrypt=aes encryptkey=
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Output SAS dataset based on the DDL file.

Calls

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

Usage

Example 1: Show help information:

```
%m_utl_ddl2ds(?)
```

Example 2: Step 1 - Create a Data Definition Language file for table class:

```
filename class "%sysfunc(getoption(WORK))/ddl_class.sas";

data _null_;
  file class;
  put 'proc sql noprint feedback stimer;';
  put '  create table WORK.class (';
  put '    Name      VARCHAR(8)';
  put '    , Sex       VARCHAR(1)';
  put '    , Age        NUMERIC(8)';
  put '    , Height     NUMERIC(8)';
  put '    , Weight     NUMERIC(8)';
  put '  );';
  put '  create index Name on WORK.class (Name);';
  put 'quit;';
run;

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

Example 2: Step 2 - Import the Data Definition Language file to create class:

```
%m_utl_ddl2ds(
  in_file = %str(%sysfunc(getoption(WORK))/ddl_class.sas)
, print   = Y
, debug   = Y
);
```

Example 3: Step 1 - Create a Data Definition Language file for table class:

```
filename class "%sysfunc(getoption(WORK))/ddl_class.sas";

data _null_;
  file class;
  put 'proc sql noprint feedback stimer;';
  put '  create table &libref..class (';
  put '    Name      VARCHAR(8)';
  put '    , Sex       VARCHAR(1)';
  put '    , Age        NUMERIC(8)';
  put '    , Height     NUMERIC(8)';
  put '    , Weight     NUMERIC(8)';
  put '  );';
  put '  create index Name on &libref..class (Name);';
  put 'quit;';
run;

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

Example 3: Step 2 - Import the Data Definition Language file to create class:

```
%m_utl_ddl2ds(
  in_file = %str(%sysfunc(getoption(WORK))/ddl_class.sas)
, prn_flg = Y
, prn_lib = WORK
, print   = Y
, debug   = Y
);
```

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