m_utl_ds2ddl.sas File Reference

Utilities

Utility macro to create a Data Definition Language DDL script

Description

This macro obtains all column, index and constraint information from a given dataset to be used to generate a Data Definition Language (DDL) file. The DDL file contains a SAS proc sql step to create a new instance of the given source dataset.

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Date

2021-01-27 00:00:00

Version

21.1.01

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 | libnm | Parameter to specify the SAS library reference. The default value for LIBNM is: _NONE. |
| Input | tblnm | Parameter to specify the SAS dataset or table. The default value for TBLNM is: _NONE |
| Input | ddl_file | Specifies the full path and name of the DDL file where the formatted output is written to. If the file that you specify does not exist, then it will be created for you. The default value for DDL_FILE is: _NONE |
| Input | prm_flg | Boolean [Y N] parameter to specify wether the output DDL contains the identical libref, table name, and credentials as the input source table or to parameterize this information by using SAS macro variables instead. If PRM_FLG=Y, the libref, 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 the output DDL SAS library reference name or the SAS macro variable name value (e.g. &libref.). |
| Input | prm_tbl | Optional. Parameter to specify the output DDL SAS dataset name or the SAS macro variable name value (e.g. &table.). |
| Input | prm_creds | Optional. String containing the output DDL SAS encryption key value information. The following parameter syntax is to be respected to work properly: encrypt=aes encryptkey= Alternatively a SAS macro variable name value can be used (e.g. &creds.). |
| Input | print | Boolean [Y N] parameter to generate the output by using proc report steps with style HtmlBlue. The default value for PRINT is: N. |
| Input | debug | Boolean [Y N] parameter to provide verbose mode information. The default value is: N. |

Returns

• Returns all column index information on a given table.

Calls

- m_utl_chk_table_exist.sas
- m_utl_create_dir.sas
- m_utl_get_sashelp.sas
- m utl get tbl columns.sas
- m utl get tbl constraints.sas
- m utl get tbl indexes.sas
- m utl hash lookup.sas
- m_utl_nlobs.sas
- m_utl_print_message.sas
- <u>m_utl_print_mtrace.sas</u>
- m_utl_printto.sas

Usage

Example 1: Show help information:

```
%m_utl_ds2ddl(?)
```

For the next examples create a table with a couple of indexes:

Example 2: Create a Data Definition Language file for table bankkonto:

```
%m_utl_ds2ddl(
    libnm = WORK
, tblnm = bankkonto
, ddl_file = %sysfunc(getoption(WORK))/bankkonto_work.sas
, print = Y
, debug = Y
);
```

Example 3: Create a DDL file for table bankkonto with libref parameter:

```
%m_utl_ds2ddl(
    libnm = WORK
, tblnm = bankkonto
, ddl_file = %sysfunc(getoption(WORK))/bankkonto_libref.sas
, prm_flg = Y
, prm_lib = %nrstr(&libref.)
, print = Y
, debug = Y
);
```

Example 4: Create a DDL file for table bankkonto with creds parameter:

```
%m_utl_ds2ddl(
    libnm = WORK
, tblnm = bankkonto
, ddl_file = %sysfunc(getoption(WORK))/bankkonto_creds.sas
, prm_flg = Y
, prm_lib = %nrstr(&libref.)
, prm_creds = %nrstr(&creds.)
, print = Y
, debug = Y
);
```

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