

m_utl_get_tbl_constraints.sas File Reference

Utilities

Utility macro to obtain constraint information on a given table

Description

This macro works by using either the SAS dictionary tables or Oracle system tables for constraint information on the passed table and returns a list of constraints and their variables in the order in which those are listed by the constraint.

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Version

20.1.09

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	creds	String containing the Oracle database credentials information. The following order of parameters is to be respected for the macro to work properly: user=, password=, path=
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 constraint information on a given table.

Calls

- [m_utl_chk_table_exist.sas](#)
- [m_utl_get_sashelp.sas](#)
- [m_utl_hash_lookup.sas](#)
- [m_utl_print_message.sas](#)
- [m_utl_print_mtrace.sas](#)

Usage

Example 1: Show help information:

```
%m_utl_get_tbl_constraints(?)
```

For the next examples create a table with a primary key constraint:

```
proc sql noprint feedback stimer;
  CREATE TABLE WORK.BANKKONTO (
    MANDANT_ID          VARCHAR(8)          label='Mandant Identifier'
  , PARTNER_ID          NUMERIC(8)          label='Geschäftspartner Identifier'
  , KONTO_ID            NUMERIC(8)          label='Konto Identifier'
  , KONTO_WAEHRUNG_CD   VARCHAR(3)          label='Geschäftswährung'
  , KONTO_TYPE_CD       VARCHAR(32)         label='Konto Type Code'
  , SALDO_AMT           NUMERIC(8)          format=19.2 label='Saldo Betrag'
  , LOAD_DTTM           NUMERIC(20)         format=datetime20. label='Ladezeitstempel'
  , CONSTRAINT PRIM_KEY PRIMARY KEY (MANDANT_ID, KONTO_ID, LOAD_DTTM)
  );
quit;
```

Example 2: Obtain the constraint information from table bankkonto:

```
%m_utl_get_tbl_constraints(
  libnm = WORK
  , tblnm = bankkonto
  , print = Y
  , debug = Y
  );
```

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