

m_sys_job_error.sas File Reference

System

System macro to write job error messages to a control table

Description

The macro checks the result status of a SAS DI-Job, and if an error occurred, it writes a protocol as a new entry in a SAS dataset or database table.

Note

*All parameters with **p_** prefix are optional when the macro is used in a SAS Data Integration Studio job, since the parameter variables will be filled automatically.*

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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	ctl_table	Full LIBNAME.TABLENAME name of the JOB_ERROR SAS dataset or table.
Input	p_etls_user	The name or id of the user executing the code.
Input	p_etls_name	Name of the SAS job
Input	p_etls_vers	SAS version
Input	p_job_rc	Job Return Code
Input	p_job_dttm	Optional. Date Time (SAS numeric datetime)
Input	p_syscc	System Return Code
Input	p_msg	Optional. Custom system return message string
Input	p_load_dttm	Optional. Date Time (SAS numeric datetime)
Input	p_trans_rc	Transaction Return Code
Input	p_sqlrc	SQL Return Code
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- JOB_ERROR table created and/or updated

Calls

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

Usage

Example 1: Show help information:

```
%m_sys_job_error(?)
```

Example 2: Create an example entry in the JOB_ERROR table:

```
%let etls_jobname = %nrquote(TEST_JOB);
%let job_rc = 4;
%let msg_rc = custom_rc4_msg;
%let trans_rc = 0;
%let sqlrc = 0;

%m_sys_job_error(
  ctl_table      = WORK.job_error
  , p_etls_user  = &sysuserid.
  , p_etls_name  = &etls_jobname.
  , p_etls_vers  = &sysver.
  , p_job_rc     = &job_rc.
  , p_syscc      = &syscc.
  , p_syserr     = &syserr.
  , p_message    = &msg_rc.
  , p_load_dttm  =
  , p_trans_rc   = &trans_rc.
  , p_sqlrc      = &sqlrc.
  , debug       = N
);

proc print data=WORK.job_error label;
run;
```

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