m_sys_job_status.sas File Reference

System

System macro to write job status messages to a control table

Description

The macro checks the result status of a SAS DI-Job, and writes a protocol as an 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.

Autors

Paul Alexander Canals y Trocha (paul.canals@gmail.com)

Date

2020-09-07 00:00:00

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_STATUS 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_syscc	System Return Code
Input	p_message	Optional. Custom system return message string
Input	p_load_dttm	Optional. Date Time (SAS numeric datetime)
Input	p_etls_lib	Library of table that is being logged
Input	p_etls_table	Name of table that is being logged
Input	p_etls_recs	Number of rows in logged table
Input	p_etls_start	Start time of job in DDMONYY:hh:mm:ss format
Input	p_etls_end	End time of job in DDMONYY:hh:mm:ss format
Input	p_job_log	Full name and path to an external job file.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- JOB_STATUS 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_status(?)
```

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

```
%let etls_jobname = %nrquote(TEST_JOB);
%let etls_lib = WORK;
%let etls_table = TEST;
%let etls_recordsAfter = 19;
%let etls_starttime = %sysfunc(putn(%sysfunc(datetime()), datetime.));
%let etls_endTime = %sysfunc(putn(%sysfunc(datetime()), datetime.));
%let job_log = %sysfunc(getoption(WORK))/job.log;
%let job_rc = 0;

%m_sys_job_status(
   ctl_table    = WORK.job_status
 , p_etls_user  = &sysuserid.
 , p_etls_name  = &etls_jobname.
 , p_etls_vers  = &sysver.
 , p_job_rc     = &job_rc.
 , p_syscc      = &syscc.
 , p_message    =
 , p_load_dttm  =
 , p_etls_lib   = &etls_lib.
 , p_etls_table = &etls_table.
 , p_etls_recs  = &etls_recordsAfter.
 , p_etls_start = &etls_startTime.
 , p_etls_end   = &etls_endTime.
 , p_job_log    = &job_log.
 , debug        = N
   );

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

Copyright