

# 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.*

## 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_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;
```

## **Copyright**

Copyright 2008-2020 Paul Alexander Canals y Trocha.

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <<https://www.gnu.org/licenses/>>.