m_cst_get_file_list.sas File Reference

Custom

Custom macro to obtain file and sub directory tree information

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Description

This is a standalone macro program to list all files in a given root directory, and sub-directories. The rsult of this macro are two tables containing the file and directory structure information, including level to identify the number of sub directories below the root directory. If a file is locked, the macro still produces a record into the FILE_LIST dataset and column LOCKED gets a value Y, but no file size, creation time or last modified date is set.

Note

This program is able to work in system environments where x-command or unix pipes are not allowed or cannot be used.

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Version

23.1.09

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	rootdir	Full path to the root directory for the file list. The default value for ROOTDIR is: _NONE_;
Input	level	The of the current directory to the ROOTDIR. The default value for LEVEL is: 0.
Input	prefix	The added to the names of the output tables. The default value for PREFIX is: _SRC.
Input	subdirs	Boolean [Y|N] parameter to specify if the file list includes files in sub folders under ROOTDIR. The default value for SUBDIRS is: N.
Input	finfo	Boolean [Y|N] parameter to specify additional information to be added to the file list. This information includes the file size, the creation date and time, and the last modification date and time. The default value for FINFO is: N.
Input	print	Boolean [Y|N] parameter to generate the output by a SAS proc report step 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 tables containing the rootdir directory and file list.

Calls

- None

Usage

Example 1: Show help information:

```
%m_cst_get_file_list(?)
```

Example 2: List files and dirs in current WORK directory:

```
%m_cst_get_file_list(
   rootdir = %sysfunc(getoption(WORK))
 , level   = 0
 , prefix  = src_
 , subdirs = Y
 , finfo   = Y
 , print   = Y
 , debug   = Y
   );
```

Example 3: List files and dirs in core/sashelp directory:

```
%m_cst_get_file_list(
   rootdir = %sysget(SASROOT)/core/sashelp
 , prefix  = src_
 , subdirs = N
 , finfo   = Y
 , print   = Y
 , debug   = Y
   );
```

Example 4: List files and dirs in sasroot/core directory:

```
%m_cst_get_file_list(
   rootdir = %sysget(SASROOT)/core
 , prefix  = src_
 , subdirs = Y
 , finfo   = N
 , print   = Y
 , debug   = Y
   );
```

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