

NAME

call_once - call function only from a single thread, once

SYNOPSIS

library "threads"

#include <threads.h>

once_flag once = ONCE_FLAG_INIT;

void

call_once(*once_flag* **flag*, *void* (**fn*)());

DESCRIPTION

The **call_once**() function calls the given callback function *fn* exactly once even when called from multiple threads at the same time. This is done by setting the given *flag* atomically upon entry to the function. The *flag* must be initialized to ONCE_FLAG_INIT before calling **call_once**().

HISTORY

The **call_once**() function first appeared in the C11 standard ISO/IEC 9899:2011.

AUTHORS

Jan Adelsbach <jan@jadelsbach.de>