NAME

libssh2_sftp_open_ex_r - open filehandle for file on SFTP.

SYNOPSIS

#include <libssh2.h>
#include <libssh2_sftp.h>

LIBSSH2_SFTP_HANDLE *
libssh2_sftp_open_ex_r(LIBSSH2_SFTP *sftp, const char *filename,
                size_t filename_len,
                unsigned long flags,
                long mode,
                int open_type,
                LIBSSH2_SFTP_ATTRIBUTES *attrs);

DESCRIPTION

sftp - SFTP instance as returned by *libssh2_sftp_init(3)*

filename - Remote file/directory resource to open

filename_len - Length of filename

flags - Any reasonable combination of the LIBSSH2_FXF_* constants:

LIBSSH2_FXF_READ
    Open the file for reading.

LIBSSH2_FXF_WRITE
    Open the file for writing. If both this and LIBSSH2_FXF_READ are specified, the file is
    opened for both reading and writing.

LIBSSH2_FXF_APPEND
    Force all writes to append data at the end of the file.

LIBSSH2_FXF_CREAT,
    If this flag is specified, then a new file will be created if one does not already exist (if
    LIBSSH2_FXF_TRUNC is specified, the new file will be truncated to zero length if it
    previously exists)

LIBSSH2_FXF_TRUNC

Forces an existing file with the same name to be truncated to zero length when creating a file by specifying LIBSSH2_FXF_CREAT. LIBSSH2_FXF_CREAT MUST also be specified if this flag is used.

LIBSSH2_FXF_EXCL
Causes the request to fail if the named file already exists. LIBSSH2_FXF_CREAT MUST also be specified if this flag is used.

mode - POSIX file permissions to assign if the file is being newly created. See the LIBSSH2_SFTP_S_* convenience defines in <libssh2_sftp.h>

open_type - Either of LIBSSH2_SFTP_OPENFILE (to open a file) or LIBSSH2_SFTP_OPENDIR (to open a directory).

attrs - Pointer to LIBSSH2_SFTP_ATTRIBUTES struct. See libssh2_sftp_fstat_ex for detailed usage.

RETURN VALUE
A pointer to the newly created LIBSSH2_SFTP_HANDLE instance or NULL on failure.

ERRORS
LIBSSH2_ERROR_ALLOC - An internal memory allocation call failed.

LIBSSH2_ERROR_SOCKET_SEND - Unable to send data on socket.

LIBSSH2_ERROR_SOCKET_TIMEOUT -

LIBSSH2_ERROR_SFTP_PROTOCOL - An invalid SFTP protocol response was received on the socket, or an SFTP operation caused an errorcode to be returned by the server.

LIBSSH2_ERROR_EAGAIN - Marked for non-blocking I/O but the call would block.

AVAILABILITY
Added in libssh2 1.11.0

SEE ALSO
libssh2_sftp_close_handle(3) libssh2_sftp_fstat_ex(3)