

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)`