

NAME

libssh2_sftp_stat_ex - get status about an SFTP file

SYNOPSIS

```
#include <libssh2.h>
```

```
#include <libssh2_sftp.h>
```

```
int
```

```
libssh2_sftp_stat_ex(LIBSSH2_SFTP *sftp, const char *path,
                    unsigned int path_len, int stat_type,
                    LIBSSH2_SFTP_ATTRIBUTES *attrs);
```

DESCRIPTION

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

path - Remote filesystem object to stat/lstat/setstat.

path_len - Length of the name of the remote filesystem object to stat/lstat/setstat.

stat_type - One of the three constants specifying the type of stat operation to perform:

LIBSSH2_SFTP_STAT: performs stat(2) operation

LIBSSH2_SFTP_LSTAT: performs lstat(2) operation

LIBSSH2_SFTP_SETSTAT: performs operation to set stat info on file

attrs - Pointer to a **LIBSSH2_SFTP_ATTRIBUTES** structure to set file metadata from or into depending on the value of *stat_type*.

Get or Set statbuf type data on a remote filesystem object. When getting statbuf data,

libssh2_sftp_stat(3) will follow all symlinks, while **libssh2_sftp_lstat(3)** will return data about the object encountered, even if that object happens to be a symlink.

The LIBSSH2_SFTP_ATTRIBUTES struct looks like this:

```
struct LIBSSH2_SFTP_ATTRIBUTES {
    /* If flags & ATTR_* bit is set, then the value in this struct will be
     * meaningful Otherwise it should be ignored
     */
    unsigned long flags;
```

```
libssh2_uint64_t filesize;
unsigned long uid;
unsigned long gid;
unsigned long permissions;
unsigned long atime;
unsigned long mtime;
};
```

RETURN VALUE

Returns 0 on success or negative on failure. It returns `LIBSSH2_ERROR_EAGAIN` when it would otherwise block. While `LIBSSH2_ERROR_EAGAIN` is a negative number, it is not really a failure per se.

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.

SEE ALSO

`libssh2_sftp_init(3)`