

libssh2_userauth_publickey_frommemory(3) libssh2 libssh2_userauth_publickey_frommemory(3)

NAME

libssh2_userauth_publickey_frommemory - authenticate a session with a public key, read from memory

SYNOPSIS

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

```
int
```

```
libssh2_userauth_publickey_frommemory(LIBSSH2_SESSION *session,  
                                       const char *username,  
                                       size_t username_len,  
                                       const char *publickeydata,  
                                       size_t publickeydata_len,  
                                       const char *privatekeydata,  
                                       size_t privatekeydata_len,  
                                       const char *passphrase);
```

DESCRIPTION

This function allows to authenticate a session with a public key read from memory. It is only supported when libssh2 is backed by OpenSSL. *session* - Session instance as returned by **libssh2_session_init_ex(3)**

username - Remote user name to authenticate as.

username_len - Length of username.

publickeydata - Buffer containing the contents of a public key file.

publickeydata_len - Length of public key data.

privatekeydata - Buffer containing the contents of a private key file.

privatekeydata_len - Length of private key data.

passphrase - Passphrase to use when decoding private key file.

Attempt public key authentication using a PEM encoded private key file stored in memory.

RETURN VALUE

Return 0 on success or negative on failure. It returns LIBSSH2_ERROR_EAGAIN when it would

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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_PUBLICKEY_UNVERIFIED - The username/public key combination was invalid.

LIBSSH2_ERROR_AUTHENTICATION_FAILED - Authentication using the supplied public key was not accepted.

AVAILABILITY

libssh2_userauth_publickey_frommemory was added in libssh2 1.6.0

SEE ALSO

libssh2_session_init_ex(3)