
Subject: Re: SFTPBrowser example build failed
Posted by [Oblivion](#) on Sun, 22 Dec 2024 10:41:22 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Scott,

Thank you for your help. It would be better for us all if we fix the issue instead of using a workaround, if possible.

Given your latest log, it appears that the structure returns an invalid file size for the newly created file (it should be 0).

Hopefully, the below patch fixes the issue once and for all:

```
bool SFtpStream::Open(SFtp& sftp_, const char *filename, dword mode, int acm)
{
    if(IsOpen())
        Close();
    sftp = &sftp_;
    int iomode = mode & ~SHAREMASK;
    handle = sftp->Open(filename,
        iomode == READ
        ? SFtp::READ
        : iomode == CREATE
        ? SFtp::READ|SFtp::WRITE|SFtp::CREATE|SFtp::TRUNCATE
        : SFtp::READ|SFtp::WRITE,
        acm
    );

    if(handle) {
        SFtpAttrs attrs;
        Zero(attrs);
        if(iomode != CREATE && !sftp->GetAttrs(handle, attrs)) {
            sftp->Close(handle);
            handle = nullptr;
            return false;
        }
        OpenInit(mode, attrs.filesize); // filesize always should be 0 for create|truncate
    }
    return handle;
}
```

I would be grateful if you could try this patch and report back.

Also, I have updated the example (attached). It can now:

- 1) set chunksize
- 2) set waitstep
- 3) set compression
- 4) allows dropping files onto browser for uploading.

As for your other questions:

1. Please keep in mind that SFtpBrowser is a very simple example, demonstrating how to integrate SSH package into a GUI. It is not intended to be a rival for WinSCP or any other commercial app. :)

Of course, SSH package allows you to write such applications. In fact I do have a such professional app and its performance is on par with WinScp, if not faster.

To achieve faster transfer speeds with SFtpFileBrowser, you can enable compression and increase the chunksize (preferably to 1 Mib).

2. Again, this is a simple example. However, file partitioning (parallel download of a single, huge file) is possible with SSH package, but it would be a complex app, beyond the scope of this demo. (my app does that too).

Best regards,
Oblivion

File Attachments

1) [SFtpBrowser.zip](#), downloaded 65 times
