Subject: Re: SFTPBrowser example build failed
Posted by Scott_Huang on Wed, 18 Dec 2024 14:20:00 GMT
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@Oblivion, thanks for your prompt answer!

I try test the demo SFTP server which you provided, it seems work well.

However, when I switch to my SFTP server, it have the same error which I describe in last post.
I am sure my SFTP user name & password is correct and have write access right.

I guess may be dir/path error, you also mention it, so I adjust connect() function to manual set basedir as below.

```
session.Timeout(settings.timeout * 1000);
 if((connected = session.Connect(
  ~settings.host,
  ~settings.port,
  ~settings.user,
  ~settings.password
  ))) {
  browser.Attach(new SFtp(session));
  filesystem.Mount(*browser);
  basedir = browser->GetDefaultDir();
  basedir = "msp";//add for testing
  DLOG(basedir);
  dir.SetData("msp");//add for testing
  DLOG(dir.GetData().ToString());
  DLOG(GetWorkdir());
  DLOG("Before work dir");
  Workdir(basedir);
  DLOG("After work dir, and before LoadDir");
  LoadDir();
  DLOG("After load dir");
 }
 else SessionError();
}
```

The list still empty, but I am able upload file or create sub folder without error. And other SFTP software does show the file & folder created too.

So, that means, loaddir() function have issue.
Not able successful list folder & files.
After add more DLOG, I am sure it caused by below:
```
 if(Upp::Load(list, GetWorkdir(), "*", false, Null, (FileSystemInfo&) sfsi, Null, false))
  sortbyext ? SortByExt(list) : SortByName(list);
```

LOG:
SSH: Session, oid: 1: Using Upp's memory managers.
SSH: Session, oid: 1: Session successfully initialized.
SSH: Session, oid: 1: Compression is disabled.
SSH: Session, oid: 1: Handshake successful.
SSH: Session, oid: 1: Authentication methods list successfully retrieved:
[publickey,password,keyboard-interactive]
SSH: Session, oid: 1: Client succesfully authenticated.
SSH: SFtp, oid: 2: Session successfully initialized.
SSH: SFtp, oid: 2: Symbolic link operation is successful. Target: /
SSH: SFtp, oid: 2: Failed. Code = -31, SFTP Protocol Error
SSH: SFtp, oid: 2: Failed. Code = -31, Failed opening remote file
SSH: SFtp, oid: 3: Session successfully initialized.
SSH: SFtp, oid: 3: File 'msp/test.txt' is successfully opened.
SSH: SFtp, oid: 3: File attributes successfully retrieved.
SSH: SFtp, oid: 3: File handle freed.
SSH: SFtp, oid: 3: Session deinitalized.
SSH: SFtp, oid: 2: Failed. Code = -31, SFTP Protocol Error ==> Scott, It caused by I try create
one existing temp folder.
SSH: SFtp, oid: 2: Directory 'msp/temp2' is succesfully created.
SSH: SFtp, oid: 2: Failed. Code = -31, SFTP Protocol Error ==> Scott: Should be loaddir()
function caused error.
SSH: SFtp, oid: 2: Failed. Code = -31, Failed opening remote file

I try add more DLOG:

```
void SFtpBrowser::LoadDir()
{
 if(browser->InProgress())
  return;
 list.Clear();
 DLOG("Before SFtpFileSystemInfo sfsi(*browser);");
 SFtpFileSystemInfo sfsi(*browser);
 DLOG("After SFtpFileSystemInfo sfsi(*browser);");
 DLOG("Before If");
 DLOG(GetWorkdir());
 if(Upp::Load(list, GetWorkdir(), "*", false, Null, (FileSystemInfo&) sfsi, Null, false)){
  DLOG("Before sort");
  sortbyext ? SortByExt(list) : SortByName(list);
  DLOG("After sort");
 }
 DLOG("After If");
 DLOG("Before Summary()");
 Summary();
 DLOG("After Summary(), and before Sync()");
 Sync();
```

```
 DLOG("After Sync()");
}
```

LOG Details:
SSH: Session, oid: 1: Using Upp's memory managers.
SSH: Session, oid: 1: Session successfully initialized.
SSH: Session, oid: 1: Compression is disabled.
SSH: Session, oid: 1: Handshake successful.
SSH: Session, oid: 1: Authentication methods list successfully retrieved:
[publickey,password,keyboard-interactive]
SSH: Session, oid: 1: Client succesfully authenticated.
SSH: SFtp, oid: 2: Session successfully initialized.
SSH: SFtp, oid: 2: Symbolic link operation is successful. Target: / ==> Scott: Is it the root cause?
I try set to known folder "MSP" instead of "/"
msp
msp
msp
Before work dir
After work dir, and before LoadDir
Before SFtpFileSystemInfo sfsi(*browser);
After SFtpFileSystemInfo sfsi(*browser);
Before If
msp ==> Scott: I try DLOG(GetWorkdir());
SSH: SFtp, oid: 2: Failed. Code = -31, SFTP Protocol Error
SSH: SFtp, oid: 2: Failed. Code = -31, Failed opening remote file
After If
Before Summary()
After Summary(), and before Sync()
After Sync()
After load dir

Any way to fix it?