
Subject: Re: SSH package for U++
Posted by [Oblivion](#) on Sun, 26 Nov 2017 08:59:13 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Jan Marco,

Thank you very much for your comments and suggestions. :)

I've tested swish and it does a decent job for sure.

However, I believe SSH package and swish do not fall under the same categories. Their scope and intended audience seems to be different.

From its website: "Swish is a plugin for Microsoft Windows Explorer that adds support for SFTP."

It is a decent plugin for Windows Explorer, it falls under applications/plugins category, if I may.

Naturally, it is limited to Windows platform, and as far as I can understand, it uses OpenSSL exclusively.

And it seems to be limited to SFTP subsystem.

On the other hand SSH package isn't an app or plugin written by U++. It is an easy to use SSH2 library (it covers full SSH2 ecosystem: Sftp, channels, exec, scp, shell, agents) for U++, and its intended audience is exclusively U++ developers.

SSH uses libssh2 under the hood. libssh2 is a widely used and extensively tested, multiplatform SSH2 library with BSD license. SSH package supports what libssh2 supports.

Therefore SSH package is not limited to windows. In fact, it isn't developed on windows. In theory SSH package can run on what U++ and libssh2 can run on and this includes, but not limited to, Linux and Windows.

Also, while SSH package uses OpenSSL by default, it is also possible to use it with WinCNG and GnuTLS. (Currently through a config file, in the near future via compiler flag.)

In fact there is nothing that prevents a developer to come up with a similar plugin to swish, using SSH package. (Maybe it'll take a lot less time to develop one using SSH package, since the main purpose of SSH package is to let developers focus on other aspects of their apps.)

One major advantage (for commercial app developers) of SSH package over swish is that SSH package (and underlying libssh2) uses BSD license.

To sum up:

- 1) Swish offers good functionality, but the functionality it offers is mostly on application-level. Hence they should be implemented by the application developers (using SSH package).
- 2) Writing some example app similar to swish would be platform specific. Therefore I am writing a simple SFtpBrowser example, which will work on any platform that U++ supports. :)

Best regards,
Oblivion
