Subject: Re: SSH package for U++
Posted by mirek on Tue, 31 Jul 2018 09:07:49 GMT
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Oblivion wrote on Wed, 11 July 2018 08:35Hello Mirek,

Quote:
SSH looks pretty reasonable. Can I move to Core/SSH?

Of course! :)

Quote:Put(Stream& in, const String& path);

I would expect path to be the first argument here... Do you insist on this order?

That's because I use "[source], [destination]..." order. I'd prefer it stay that way but I don't insist on it. It can be changed.

Whether the "source, target" or "target, source" is more natural is certainly debatable, however please notice that since the dawn of computer languages the custom is to write target = source (also see strcpy etc... :) That said, where handle or path is involved, I would probably like to have it as first parameter always.

Besides, it does not seem to be consistent anyway:
```
bool            Get(SFtpHandle* handle, Stream& out);
bool            Put(SFtpHandle* handle, Stream& in);
```

Now I am only scrathich the surface, mostly being interested in SFTP for now. Anyway, seeing that interface, I would probably like to change following things:

SFtpHandle* -> SFtpHandle - if something is "HANDLE", it should not be a pointer to handle.

Instead of:

auto sftp = session.CreateSFtp();

I would like to have

SFtp sftp(session);

Besides, I know that there is some movement to use 'auto' everywhere, but I strongly disagree with that, ESPECIALLY in reference examples.

More important: I thing I would remove whole bunch of Gets and Puts, leave only handle variant in sftp and then add SFtpStream instead. With methods provided in SFtp, it should be easy to do, and it would mostly remove "source/destination controversy".

Interestingly, it looks like the most important Gets / Puts are missing there

int Get(SFtpHandle h, void *ptr, int size);
bool Put(SFtpHandle h, const void *ptr, int size);

Anyway, it is now moved to Core/SSH and single example is now in reference - that is another issue I have not solved for now, there is a lot of examples and they really make sense, so maybe I will put them gradually to SSH subfolder.

I am giving you write access to Core/SSH and reference.

Mirek