Subject: Codepage problem in FileSel directory selection droplist
Posted by Tom1 on Mon, 05 Oct 2009 10:28:57 GMT

Hi,

I encountered a strange problem with the directory selection droplist of the FileSel dialog: The first entry is the home directory and is filled with dir.Add(GetHomeDirectory());. In the directory

executable is started stand-alone, but when started with Ctrl+F5 from TheIDE, there is no problem.

To figure out what's going on, I changed the GetHomeDirectory functionality in App.cpp by changing GetEnv() as follows:

```
String GetEnv(const char *id)
{
// return FromOEMCharset(getenv(id));
 return FromSystemCharset(getenv(id));
}
```


TheIDE, but was now correctly presented when the application was started as standalone.

Any idea what's going on here?

// Tom

[UPDATE: This is under Windows Vista x64 and the problem when running the application standalone was detected with 32 bit Windows XP, so they seem to have the same behavior.]

Subject: Re: Codepage problem in FileSel directory selection droplist
Posted by mirek on Mon, 05 Oct 2009 11:51:48 GMT

Tom1 wrote on Mon, 05 October 2009 06:28Hi,

I encountered a strange problem with the directory selection droplist of the FileSel dialog: The first entry is the home directory and is filled with dir.Add(GetHomeDirectory());. In the directory

executable is started stand-alone, but when started with Ctrl+F5 from TheIDE, there is no problem.

To figure out what's going on, I changed the GetHomeDirectory functionality in App.cpp by changing GetEnv() as follows:

```
String GetEnv(const char *id)
{
// return FromOEMCharset(getenv(id));
 return FromSystemCharset(getenv(id));
}
```

TheIDE, but was now correctly presented when the application was started as standalone.

Any idea what's going on here?

// Tom

[UPDATE: This is under Windows Vista x64 and the problem when running the application standalone was detected with 32 bit Windows XP, so they seem to have the same behavior.]

Nice one.

I believe I know what is going on.

The issue is that TheIDE changes the environment to add one special variable. Maybe this can affect the issue.

Anyway, staring into the code, I do not see anything indicating that codepage is changed on the way - in fact no conversions seem to be performed at all.

Relevant code is:

Core\App.cpp
void AppInitEnvironment__()

ide\Builders\Build.cpp

One<Host> MakeBuild::CreateHost(bool sync_files)

Perhaps adding a couple of well placed LOGs would reveal the problem.

Mirek

Subject: Re: Codepage problem in FileSel directory selection droplist
Posted by Tom1 on Tue, 06 Oct 2009 09:06:29 GMT
View Forum Message <> Reply to Message

Hi Mirek,

Well, I kind of knew you would know what is going on... Anyway, I took a look at the source

locations you pointed out but I did not get any smarter on the way. I guess this needs deeper understanding on the subject than what I have.

I gather that this problem has wider effects than just the file dialog. The whole GetEnv and everything using it (including GetHomeDirectory) are broken until this gets solved.

// Tom

Subject: Re: Codepage problem in FileSel directory selection droplist
Posted by mirek on Wed, 07 Oct 2009 09:17:52 GMT

View Forum Message <> Reply to Message

Tom1 wrote on Tue, 06 October 2009 05:06Hi Mirek,

Well, I kind of knew you would know what is going on... Anyway, I took a look at the source locations you pointed out but I did not get any smarter on the way. I guess this needs deeper understanding on the subject than what I have.

I gather that this problem has wider effects than just the file dialog. The whole GetEnv and everything using it (including GetHomeDirectory) are broken until this gets solved.

// Tom

Well, I hoped I will not have to create non-ASCII user on my machine

Mirek

Subject: Re: Codepage problem in FileSel directory selection droplist
Posted by mirek on Fri, 09 Oct 2009 12:16:50 GMT

View Forum Message <> Reply to Message

Should be fixed now.

Mirek

Subject: Re: Codepage problem in FileSel directory selection droplist
Posted by Tom1 on Mon, 12 Oct 2009 09:23:26 GMT

View Forum Message <> Reply to Message

Hi Mirek,

Thank you! It works now correctly.

Best regards,

Tom