Subject: FileSel and international files problem when getting icon image
Posted by koldo on Tue, 07 Oct 2008 11:17:21 GMT
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Hello all

I have found a problem when reading international file names. In these cases the icon is not readed.

Searching around I have found that the struct FileIconMaker has a member declared String file. If the file name has non english characters the function virtual Image Make() does not work.

To solve it I simply change this in FileSel.cpp:

```
for(int i = 0; i < 2; i++) {
    SHFILEINFO info;
    SHGetFileInfo(file, dir ? FILE_ATTRIBUTE_DIRECTORY : FILE_ATTRIBUTE_NORMAL,
&info, sizeof(info),
```

with this;

```
WString wfile = file.ToWString();
for(int i = 0; i < 2; i++) {
    SHFILEINFOW info;
    SHGetFileInfo(wfile, dir ? FILE_ATTRIBUTE_DIRECTORY : FILE_ATTRIBUTE_NORMAL,
&info, sizeof(info),
```

and it works.

Best regards
Koldo

Subject: Re: FileSel and international files problem when getting icon image
Posted by mirek on Sun, 19 Oct 2008 20:48:51 GMT
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koldo wrote on Tue, 07 October 2008 07:17Hello all

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    SHFILEINFOW info;
    SHGetFileInfo(wfile, dir ? FILE_ATTRIBUTE_DIRECTORY : FILE_ATTRIBUTE_NORMAL,
&info, sizeof(info),
```

and it works.

Best regards
Koldo

Well, first I have applied this patch, but I am afraid this would not work with Win98.

Could you try this first?

```
  for(int i = 0; i < 2; i++) {
   SHFILEINFO info;
   SHGetFileInfo(ToSystemCharset(file), dir ? FILE_ATTRIBUTE_DIRECTORY :
FILE_ATTRIBUTE_NORMAL,
                &info, sizeof(info),
                SHGFI_ICON|SHGFI_SMALLICON|(exe ? 0 : SHGFI_USEFILEATTRIBUTES));
```

Mirek

Subject: Re: FileSel and international files problem when getting icon image
Posted by koldo on Mon, 20 Oct 2008 07:14:58 GMT
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Hello luzr

I have tried both in XP and:

- The option with SHFILEINFO and ToSystemCharset(file) works well with a folder named

any idea about its meaning...)

- The other one with SHFILEINFOW does work in both cases.

Best regards
Koldo

Subject: Re: FileSel and international files problem when getting icon image
Posted by mirek on Mon, 20 Oct 2008 08:42:37 GMT
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BTW, in what sense exactly it "does not work"?

AFAIK, for the most part, only the file extension matters. The exception to this rule is .exe and .ico files.

Mirek

Subject: Re: FileSel and international files problem when getting icon image
Posted by koldo on Mon, 20 Oct 2008 20:49:44 GMT
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Hello luzr

I mean that it gets or not the folder icon. With SHFILEINFOW seems to always take the right folder icon, but with SHFILEINFO not.

Perhaps if somebody with "non european" charset may test it, it would be better as I am using an XP system with "european" charset and my system perhaps is not working properly with the chinese charset.

Best regards
Koldo

Subject: Re: FileSel and international files problem when getting icon image
Posted by koldo on Tue, 21 Oct 2008 05:00:20 GMT
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Hello luzr

GetFileIcon(path, true), but not with GetFileIcon(path, true, true) as it is in the sources.

I thought that a solution would be changing NativePathIcon to something like:
#if defined(PLATFORM_WIN32)

```
 if (IsDrive(path) && IsSpecialFolder(path))
  return GetFileIcon(path, true, true);
 else
  return GetFileIcon(path, folder);
#endif
```
where IsSpecialFolder(path) would be true in folders with icons like Desktop but, if I where in Taiwan, could I get the taiwanese Desktop icon ?

Best regards
Koldo

Subject: Re: FileSel and international files problem when getting icon image
Posted by mirek on Wed, 22 Oct 2008 21:37:08 GMT
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koldo wrote on Mon, 20 October 2008 16:49Hello luzr

I mean that it gets or not the folder icon. With SHFILEINFOW seems to always take the right folder icon, but with SHFILEINFO not.

Perhaps if somebody with "non european" charset may test it, it would be better as I am using an XP system with "european" charset and my system perhaps is not working properly with the chinese charset.

This is not unlikely. In CJK environment, folder names are encoded using MBCS (I mean, if you do not use SHFILEINFOW). ToSystemCharset performs necessarry conversions.

Mirek

Subject: Re: FileSel and international files problem when getting icon image
Posted by mirek on Wed, 22 Oct 2008 21:39:37 GMT
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koldo wrote on Tue, 21 October 2008 01:00Hello luzr

GetFileIcon(path, true), but not with GetFileIcon(path, true, true) as it is in the sources.

I thought that a solution would be changing NativePathIcon to something like:

```
#if defined(PLATFORM_WIN32)
 if (IsDrive(path) && IsSpecialFolder(path))
  return GetFileIcon(path, true, true);
```

```
 else
  return GetFileIcon(path, folder);
#endif
```
where IsSpecialFolder(path) would be true in folders with icons like Desktop but, if I where in Taiwan, could I get the taiwanese Desktop icon ?

Best regards
Koldo

I do not quite understand this Is this tested? Should I replace the current code?

Of course, there are always two correct solutions:

- introduce another .dli and call W or A variant based on system (W in WinNT)

- finally trash Win98....

I would really be happy to finally end support for Win98. Unfortunately, there was still demand for it, believe or not.

Mirek

Subject: Re: FileSel and international files problem when getting icon image
Posted by koldo on Wed, 22 Oct 2008 22:20:40 GMT
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Well... perhaps I have gone too far

I have tested the code with this but it would be better if somebody
from Greece, China, etc could test it and give us their opinion.

If not I think that the source is enough ok!

Best regards
Koldo

File Attachments
1) Desktop.jpg, downloaded 731 times

Subject: Re: FileSel and international files problem when getting icon image
Posted by mirek on Thu, 23 Oct 2008 07:18:08 GMT
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koldo wrote on Wed, 22 October 2008 18:20Well... perhaps I have gone too far

I have tested the code with this but it would be better if somebody
from Greece, China, etc could test it and give us their opinion.

If not I think that the source is enough ok!

Best regards
Koldo

Well, really...

Originally we were not loading any icons from host. And getting these icons was really meant only for fileselector...

Is that really such trouble if FileSel displays generic folder icon in some cases where there is non-generic variant?

That said, I believe this should really be fixed. But maybe we can finally drop Win98 support this year (10 years is enough, is not it? and the problem will be solved without much effort...

Mirek
