Subject: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Thu, 31 Oct 2019 06:32:30 GMT
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Hi,

It would be fine if FileSel could navigate to other (network) folders by desktop shortcuts, as Windows explorer does, instead of just opening *.lnk files as plain files.

Best regards,
Victor

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Mon, 04 Nov 2019 14:53:36 GMT
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Implemented in trunk.

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Tue, 05 Nov 2019 10:18:57 GMT
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Hi,

It doesn't work either (the latest build 13677).
On the desktop there are a few .lnk files, like
Shared.lnk - pointing to \\Server\Shared
and so on.
If I choose File/Edit file/Desktop in TheIDE, I don't see these links as directories.
Only when I choose Type: All files, I see them as files. And after clicking they are opened as empty files.

Best regards,
Victor

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Thu, 07 Nov 2019 09:29:22 GMT
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Works on my machine...

That said, there were some smaller issues to fix. Can you please retry with trunk?

Then, if it still does not work, can you help me to fix it?

For starter, I would need a full path of non-working .lnk file in Desktop so that I can prepare some initial small test....

Mirek

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Thu, 07 Nov 2019 10:55:12 GMT
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Hello, Mirek.

I researched the problem and found that there are different .lnk files on my desktop.
I attached three of them.

Other two files point to network and don't work (they are opened as empty files).
All the .lnk files are shown as files, not as folders (it would be better).

Best regards,
Victor

File Attachments
1) Files.lnk, downloaded 419 times
2) , downloaded 436 times
3) , downloaded 396 times

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Thu, 07 Nov 2019 13:33:21 GMT
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pvictor wrote on Thu, 07 November 2019 11:55Hello, Mirek.

I researched the problem and found that there are different .lnk files on my desktop.
I attached three of them.

Other two files point to network and don't work (they are opened as empty files).
All the .lnk files are shown as files, not as folders (it would be better).

Best regards,
Victor

Well, sending .lnk files does not really help

Can you test this for me:

```
#include <CtrlLib/CtrlLib.h>

using namespace Upp;

GUI_APP_MAIN
{
 String path = "C:/Users/cxl/Desktop/Files.lnk";

 DDUMP(path);
 DDUMP(FileExists(path));
 String t = GetSymLinkPath(path);
 DDUMP(t);
 DDUMP(DirectoryExists(t));
}
```

Please replace path with other dirs that do now work too and send me the .log file.

As for showing .lnk as files, well, not all .lnk lead to dirs. Unfortunately detecting that .lnk points to dir is potentially time consuming so it has to be done 'later'. BTW it looks like windows shell also shows .lnk of dirs between files, probably for the same reason...

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Thu, 07 Nov 2019 14:14:07 GMT
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mirek wrote on Thu, 07 November 2019 16:33
Can you test this for me:

```
#include <CtrlLib/CtrlLib.h>

using namespace Upp;

GUI_APP_MAIN
{
 String path = "C:/Users/cxl/Desktop/Files.lnk";

 DDUMP(path);
 DDUMP(FileExists(path));
 String t = GetSymLinkPath(path);
 DDUMP(t);
 DDUMP(DirectoryExists(t));
```

}

I'll test it tomorrow. I'm now far from my Windows computer.

Victor

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Fri, 08 Nov 2019 04:14:47 GMT
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Hello, Mirek.

Here's the log:

FileExists(path) = true
t = D:_STM32
DirectoryExists(t) = true

path = C:/Documents and Settings/pva/Desktop/Files.lnk
FileExists(path) = true

DirectoryExists(t) = false

FileExists(path) = true

DirectoryExists(t) = false

Victor

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Fri, 08 Nov 2019 06:54:51 GMT
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pvictor wrote on Fri, 08 November 2019 05:14Hello, Mirek.

Here's the log:

FileExists(path) = true
t = D:_STM32
DirectoryExists(t) = true

path = C:/Documents and Settings/pva/Desktop/Files.lnk
FileExists(path) = true

DirectoryExists(t) = false

FileExists(path) = true

DirectoryExists(t) = false

Victor

share, one possible explanation is that the problem is somewhat caused by those azbuka characters. Would it be possible to create some link to network without azbuka just to test?

Mirek

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Fri, 08 Nov 2019 07:48:02 GMT
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mirek wrote on Fri, 08 November 2019 09:54Assuming that

possible explanation is that the problem is somewhat caused by those azbuka characters. Would it be possible to create some link to network without azbuka just to test?
Mirek
Here's another link without national characters:

path = C:/Documents and Settings/pva/Desktop/Constructor.lnk
FileExists(path) = true
t = \\1336data\Constructor
DirectoryExists(t) = false

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Fri, 08 Nov 2019 08:35:34 GMT
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Mirek, I looked at it in debugger.

File: Path.cpp

```
bool FindFile::Search(const char *name) {
 pattern = GetFileName(name);
 path = NormalizePath(GetFileDirectory(name));
 Close();
 handle = FindFirstFileW(ToSystemCharsetW(name), data);
 if(handle == INVALID_HANDLE_VALUE)
  return false;   <-- returns here
 if(!PatternMatch(pattern, GetName()))
  return Next();
 return true;
}
```

name contains "\\\\1336data\\Constructor"

Victor

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Fri, 08 Nov 2019 09:13:54 GMT
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pvictor wrote on Fri, 08 November 2019 09:35Mirek, I looked at it in debugger.
File: Path.cpp

```
bool FindFile::Search(const char *name) {
 pattern = GetFileName(name);
 path = NormalizePath(GetFileDirectory(name));
 Close();
 handle = FindFirstFileW(ToSystemCharsetW(name), data);
 if(handle == INVALID_HANDLE_VALUE)
  return false;   <-- returns here
 if(!PatternMatch(pattern, GetName()))
  return Next();
 return true;
}
```

name contains "\\\\1336data\\Constructor"

Victor

So no azbuka?

Well, if FindFirstFileW does not work there, hard to say how to fix this... This means that at that point Win32 just does not see that path.

Mirek

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Fri, 08 Nov 2019 09:15:52 GMT
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Maybe we can try something like

```
FindFile ff("\\\\1336data\\Constructor\\*.*");
while(ff) {
  DDUMP(ff.GetPath());
  ff.Next();
}
```

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Fri, 08 Nov 2019 09:32:07 GMT
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mirek wrote on Fri, 08 November 2019 12:15Maybe we can try something like

```
FindFile ff("\\\\1336data\\Constructor\\*.*");
while(ff) {
  DDUMP(ff.GetPath());
  ff.Next();
}
```

```
ff.GetPath() = \\1336data\Constructor\.
ff.GetPath() = \\1336data\Constructor\..
ff.GetPath() = \\1336data\Constructor\constructor
```

It's correct.

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Fri, 08 Nov 2019 09:51:32 GMT
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pvictor wrote on Fri, 08 November 2019 10:32mirek wrote on Fri, 08 November 2019 12:15Maybe we can try something like

```
FindFile ff("\\\\1336data\\Constructor\\*.*");
while(ff) {
  DDUMP(ff.GetPath());
```

```
   ff.Next();
}
```

ff.GetPath() = \\1336data\Constructor\.
ff.GetPath() = \\1336data\Constructor\..
ff.GetPath() = \\1336data\Constructor\constructor

It's correct.

OK, thats interesting. I guess it should not hurt anything if we change DirectoryExists to this method - commited in trunk.

Can you please check with trunk how FileSel behaves now?

Mirek

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Fri, 08 Nov 2019 11:09:31 GMT
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mirek wrote on Fri, 08 November 2019 12:51
OK, thats interesting. I guess it should not hurt anything if we change DirectoryExists to this method - commited in trunk.

Can you please check with trunk how FileSel behaves now?

Mirek
It works OK.
Only one thing: when opening files with file mask, it shouldn't show shortcuts, pointing to local files that don't match the mask.

Thank you,
Victor

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Fri, 08 Nov 2019 13:23:56 GMT
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pvictor wrote on Fri, 08 November 2019 12:09mirek wrote on Fri, 08 November 2019 12:51
OK, thats interesting. I guess it should not hurt anything if we change DirectoryExists to this method - commited in trunk.

Can you please check with trunk how FileSel behaves now?

Mirek
It works OK.
Only one thing: when opening files with file mask, it shouldn't show shortcuts, pointing to local files that don't match the mask.

Thank you,
Victor

That would require resolving .lnk on directory load. I am afraid that would lead to unresponsive GUI in cases when .lnk leads to network share...

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Fri, 08 Nov 2019 14:35:15 GMT
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mirek wrote on Fri, 08 November 2019 16:23
That would require resolving .lnk on directory load. I am afraid that would lead to unresponsive GUI in cases when .lnk leads to network share...

The everage user has dozens shortcuts on the desktop. The majority of them point to installed programs and other local files. And only a few of them lead to network drives. I would not want to force users to look for the right label among many wrong ones.

Best regards.
Victor

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Fri, 08 Nov 2019 15:52:56 GMT
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pvictor wrote on Fri, 08 November 2019 15:35mirek wrote on Fri, 08 November 2019 16:23
That would require resolving .lnk on directory load. I am afraid that would lead to unresponsive GUI in cases when .lnk leads to network share...

The everage user has dozens shortcuts on the desktop. The majority of them point to installed programs and other local files. And only a few of them lead to network drives. I would not want to force users to look for the right label among many wrong ones.

Best regards.
Victor

Well, but those 'few' can freeze directory loads for minutes...

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by pvictor on Fri, 08 Nov 2019 17:32:02 GMT
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mirek wrote on Fri, 08 November 2019 18:52
Well, but those 'few' can freeze directory loads for minutes...

BTW, links to files and directories have different icons, i.e. they are resolved already.

Subject: Re: FEATURE REQUEST: Navigation by desktop shortcuts
Posted by mirek on Fri, 08 Nov 2019 17:48:15 GMT
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pvictor wrote on Fri, 08 November 2019 18:32mirek wrote on Fri, 08 November 2019 18:52
Well, but those 'few' can freeze directory loads for minutes...

BTW, links to files and directories have different icons, i.e. they are resolved already.

That happens in background thread (exactly for the same reason!) and icons are actually replaced later, after the folder is loaded.