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Subject: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [mirek](#) on Thu, 05 Jul 2007 18:37:18 GMT

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Now working in Win32 too, thanks to Benoit.

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [benoitc](#) on Thu, 12 Jul 2007 09:02:26 GMT

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Thanks.

BTW, it might be good to update ConfigFile() as well for Windows to be more compliant with Windows path used for application.

Instead of using the EXE directory.

```
return GetExeDirFile(file);
```

We can store config file in the "Application Data" Windows directory that belong to the user.

```
String p = GetHomeDirFile("Application Data\\" + GetExeTitle());
```

```
static bool b;
```

```
if(!b) {
```

```
    RealizeDirectory(p);
```

```
    b = true;
```

```
}
```

```
return AppendFileName(p, file);
```

Regards,

Benoit

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [mirek](#) on Thu, 12 Jul 2007 19:49:06 GMT

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benoitc wrote on Thu, 12 July 2007 05:02Thanks.

BTW, it might be good to update ConfigFile() as well for Windows to be more compliant with Windows path used for application.

Instead of using the EXE directory.

```
return GetExeDirFile(file);
```

We can store config file in the "Application Data" Windows directory that belong to the user.

```
String p = GetHomeDirFile("Application Data\\" + GetExeTitle());
```

```
static bool b;  
if(!b) {  
    RealizeDirectory(p);  
    b = true;  
}  
return AppendFileName(p, file);
```

Regards,  
Benoit

Sure, I was thinking about it too, however, I feel like for most applications in win32 (at least for those I sell to my customers), keeping .cfg in exedir leads to much simpler maintenance (uninstall? delete the folder. broken .cfg? you know where to find it). But perhaps it could be some flag switching the behaviour, with exedir as default?

Mirek

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32  
Posted by [benoitc](#) on Fri, 13 Jul 2007 08:31:36 GMT  
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I think it depends of the application type, but today most win32 applications allow a per user config, so in that case you cannot really put that in the exe directory.  
Regarding the installation point, if you use a installer (Nullsoft Scriptable Install System), it can take care of the copy to user directory.

As you said, the best is to propose both approaches, and keep the exe dir as default for compatibility reason.

Regards,  
Benoit

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32  
Posted by [mirek](#) on Fri, 13 Jul 2007 11:35:50 GMT  
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OK:

```
void UseHomeDirectoryConfig(bool b = true);
```

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [mrjt](#) on Wed, 25 Jul 2007 16:36:22 GMT

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It might be a better idea to use getenv("APPDATA") for application config (equivalent to HOMEDRIVE\HOMEPATH\Application Data) rather than the users root profile directory.

On a slight tangent, I'm going to modify FileSel to include links to My Documents(Win32)/Home(Linux) and Desktop as their absence has been annoying me for ages. The safest way I've found to get these paths on windows is (for My Docs):

```
TCHAR path[MAX_PATH];
HRESULT hr = SHGetFolderPath(NULL, CSIDL_PERSONAL, NULL,
SHGFP_TYPE_CURRENT, path);
MDSN page here. Does anyone know of a better way? Has this been done already?
```

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [Zardos](#) on Wed, 25 Jul 2007 17:22:17 GMT

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mrjt wrote on Wed, 25 July 2007 18:36: It might be a Does anyone know of a better way? Has this been done already?

For my personal requirements I have already written some functions to get the default paths on windows (including vista) what I have found is to use the values from the registry:

```
HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders
```

You are probably interested in the Keys:

"Personal"

"Desktop"

...Of course I would share the code, but all this is just an ugly hack with some very specific functions.

Basically I have the following functions for storing configurations:

```
String GetConfigPath(const char*name, const char *subpath);
inline String UserConfigPath(const char *subpath = NULL) { return GetConfigPath("AppData",
AppendFileName(GetExeTitle(), subpath)); }
inline String AllUserConfigPath(const char *subpath = NULL) { return GetConfigPath("Common
AppData", AppendFileName(GetExeTitle(), subpath)); }
inline String AppConfigPath(const char *subpath = NULL) { return
GetConfigPath("ExeConfigFilePath", subpath); }
inline String UserLocalPath(const char *subpath = NULL) { return GetConfigPath("Local
AppData", AppendFileName(GetExeTitle(), subpath)); }
```

```
String UserConfigFile(const char *file = NULL, const char* subpath = NULL);
String AllUserConfigFile(const char *file = NULL, const char* subpath = NULL);
String AppConfigFile(const char *file = NULL, const char* subpath = NULL);
String UserLocalFile(const char *file = NULL, const char* subpath = NULL);
```

... well, probably not useful for you.

Edit: The link you mention is declared: Deprecated... I guess its better to use the registry values, and probably the usual way.

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [mrjt](#) on Thu, 26 Jul 2007 08:38:58 GMT

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Zardos wrote

Edit: The link you mention is declared: Deprecated... I guess its better to use the registry values, and probably the usual way.

I noticed that too, although it's only depreciated because MS introduced a new non-backwards compatible function in Vista (under Vista the above code is a wrapper for this new method).

Thanks for the tip on registry entries, I suspect that all SHGetFolderPath is doing is reading from these, so I may as well cut out the middle-man .

Cheers,  
James

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [fudadmin](#) on Thu, 26 Jul 2007 09:55:56 GMT

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```
String ConfigFile(const char *file) {
#if defined(PLATFORM_WIN32)
    return GetExeDirFile(file);
#elif defined(PLATFORM_POSIX)
    String p = GetHomeDirFile(".config/upp-aris/" + GetExeTitle()); //aris002
    ...
}
```

this what I'm using on my ArchLinux (I stopped using M\$ so I didn't change that part) to avoid all the Ultimate++ home dirs config mess.

AFAIK, if you want to comply to freedesktop recommendations, configs must go under ==> /home/username/.config/appname or /home/username/.config/appgroup/appname.

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [mirek](#) on Fri, 27 Jul 2007 10:41:28 GMT

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Hm, is there any summary about what changes I should do to U++?

Mirek

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Subject: Re: GetHomeDirectory, GetHomeDirFile in Win32

Posted by [fudadmin](#) on Fri, 27 Jul 2007 12:42:01 GMT

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luzr wrote on Fri, 27 July 2007 11:41Hm, is there any summary about what changes I should do to U++?

Mirek

Let's create :

<http://www.ultimatepp.org/forum/index.php?t=msg&th=2580&start=0&>

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