
Subject: FindFile problem in XP [BUG?]

Posted by [koldo](#) on Tue, 02 Dec 2008 21:38:09 GMT

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Hello all

Here it is a possible problem when using FindFile in XP.

A small sample code:

```
CONSOLE_APP_MAIN
```

```
{
  FindFile ff;
  if(ff.Search("c:\\*.for")) {
    do {
      puts(Format("Found file: %s", ff.GetName()));
    } while(ff.Next());
  }
  puts("Programa ended");
  getchar();
}
```

If file list in c:\ is:

- RightFile.for
- WrongFile.fordoc
- WrongFile2.fordoc

Result is:

```
Found file: RightFile.for
Programa ended
```

But if file list in c:\ is:

- WrongFile.fordoc
- WrongFile2.fordoc
- zRightFile.for

The result is:

```
Found file: WrongFile.fordoc
Found file: zRightFile.for
Programa ended
```

It seems that the implementation of FindFile::Search() is ok but
handle = UnicodeWin32().FindFirstFileW(ToSystemCharsetW(name), w); does not work right,
perhaps because it does not handle properly files with long extensions.

Best regards

Koldo

Subject: Re: FindFile problem in XP [BUG?]
Posted by [mirek](#) on Tue, 02 Dec 2008 22:05:40 GMT
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koldo wrote on Tue, 02 December 2008 16:38Hello all

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A small sample code:

```
CONSOLE_APP_MAIN
{
  FindFile ff;
  if(ff.Search("c:\\*.for")) {
    do {
      puts(Format("Found file: %s", ff.GetName()));
    } while(ff.Next());
  }
  puts("Programa ended");
  getchar();
}
```

If file list in c:\ is:

- RightFile.for
- WrongFile.fordoc
- WrongFile2.fordoc

Result is:

```
Found file: RightFile.for
Programa ended
```

But if file list in c:\ is:

- WrongFile.fordoc
- WrongFile2.fordoc
- zRightFile.for

The result is:

```
Found file: WrongFile.fordoc
Found file: zRightFile.for
Programa ended
```

It seems that the implementation of FindFile::Search() is ok but
handle = UnicodeWin32().FindFirstFileW(ToSystemCharsetW(name), w); does not work right,
perhaps because it does not handle properly files with long extensions.

Best regards
Koldo

Funny, I have noticed this win32 bug a couple months ago, but my fix (which added more detailed pattern matching) was incomplete - I forget to check for the first file.

This should do it:

```
bool FindFile::Search(const char *name) {
    pattern = GetFileName(name);
    Close();
    if(w)
        handle = UnicodeWin32().FindFirstFileW(ToSystemCharsetW(name), w);
    else
        handle = FindFirstFile(ToSystemCharset(name), a);
    if(handle == INVALID_HANDLE_VALUE)
        return false;
    if(!PatternMatch(pattern, GetName()))
        return Next();
    return true;
}
```

Mirek

Subject: Re: FindFile problem in XP [BUG?]
Posted by [koldo](#) on Wed, 03 Dec 2008 08:32:24 GMT
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That's it!
